

Catalog 1974•1975



November 1974

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Amherst College Bulletin

Amherst College

Bulletin

VOLUME 64 • NUMBER 2

NOVEMBER 1974



CATALOG 1974-1975

DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the College is Amherst, Massachusetts, 01002. The telephone number for all departments is 542-2000 (Area Code 413).

General information about Amherst College is available upon request from the Office of the Secretary, Box 65, Amherst College, Amherst, Massachusetts 01002.

Specific inquiries on the following subjects should be addressed to the officers named below:

Admission of students and catalog requests	Edward B. Wall, <i>Dean of Admission</i>
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Business matters	Kurt M. Hertzfeld, <i>Treasurer</i>
Financial Aid	Dean Donald McM. Routh
Student affairs	Dean David Drinkwater
Transcripts and records	Robert F. Grose, <i>Registrar</i>



The New England Association of Schools and Colleges accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

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1974-1976

JULY 1974							AUGUST							SEPTEMBER							OCTOBER								
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NOVEMBER							DECEMBER							JANUARY 1976							FEBRUARY								
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MARCH							APRIL							MAY							JUNE							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
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28	29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30				
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College Calendar

1974

September 3, Tuesday. Freshman Orientation begins.

September 6, Friday. First semester classes begin, 8:00 a.m.

September 7, Saturday. Thursday classes held.

September 20, Friday. Last day for first semester course changes.

November 22, Friday. Fall recess begins, 5:00 p.m.

December 2, Monday. Fall recess ends, 8:00 a.m.

December 11, Wednesday. Last day of first semester classes.

December 14–18, Saturday–Wednesday. First semester examination period.

December 19, Thursday. Winter recess begins.

1975

January 6, Monday. Winter recess ends; beginning of interterm.

January 31, Friday. Interterm ends.

February 3, Monday. Second semester classes begin, 8:00 a.m.

February 17, Monday. Last day for second semester course changes.

March 21, Friday. Spring recess begins, 5:00 p.m.

March 31, Monday. Spring recess ends, 8:00 a.m.

May 16, Friday. Last day of second semester classes.

May 20–24, Tuesday–Saturday. Second semester examination period.

June 6, Friday. Commencement.

I

THE CORPORATION

FACULTY

FELLOWS

ADMINISTRATION

The Robert Frost Library





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The Corporation

CHAIRMAN OF THE CORPORATION

George Latimer Shinn, B.A., *New York, New York*

HONORARY CHAIRMAN OF THE CORPORATION AND TRUSTEE EMERITUS

John Jay McCloy, LL.B., *New York, New York*

PRESIDENT OF THE COLLEGE

John William Ward, PH.D., *Amherst, Massachusetts*

TRUSTEES

George Bickley Beitzel, M.B.A., *Armonk, New York*
Paul Errol Bragdon, J.D., *Portland, Oregon*
Robert William Carington, M.Arch., *Athens, Greece*
Howard Oliver Colgan, Jr., LL.B., *Saddle River, New Jersey*
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William Alexander Davis, Jr., M.U.S., *Boston, Massachusetts*
John Cushing Esty, Jr., M.A., *Concord, Massachusetts*
William Henry Hastie, S.J.D., *Philadelphia, Pennsylvania*
Harry William Knight, M.B.A., *New York, New York*
William Clarence Liedtke, Jr., LL.B., *Houston, Texas*
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George Edward Peterson, PH.D., *Washington, D.C.*
William Warren Stifler, Jr., B.A., *Nashville, Tennessee*
William Willard Wirtz, LL.B., *Washington, D.C.*

TRUSTEES EMERITI

Julius Seelye Bixler, PH.D., *Jaffrey, New Hampshire*
Walter Gellhorn, LL.B., *New York, New York*
Arthur Lee Kinsolving, B.D., *Baltimore, Maryland*
Francis Taylor Pearsons Plimpton, J.D., *New York, New York*
Eustace Seligman, LL.B., *New York, New York*

SECRETARY OF THE CORPORATION

John Lewis Callahan, Jr., B.A., *Amherst, Massachusetts*

COMMITTEES OF THE CORPORATION 1974-1975

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

Executive Committee. Messrs. Shinn (Chairman), Beitzel, Bragdon, Carington, Colgan, Esty, Hastie, Knight, Liedtke, McKean, Wirtz.

Committee on Budget and Finance. Messrs. Beitzel (Chairman), Liedtke, McKean, Merrill, Seligman, Wirtz.

Committee on Investment. Messrs. Colgan (Chairman), Cross, Knight, Liedtke, Merrill, Peterson, Plimpton.

Committee on Instruction. Messrs. Bragdon (Chairman), Cross, Davis, Esty, Hastie; Ms. Parker; Messrs. Peterson, Seligman, Stifler.

Committee on Buildings and Grounds. Messrs. Carington (Chairman), Esty, Hastie, Merrill, Seligman, Wirtz.

Committee on Honorary Degrees. Messrs. Hastie (Chairman), Bragdon, Davis, Esty, Peterson, Plimpton, Wirtz.

Committee on The Folger Shakespeare Library. Messrs. Wirtz (Chairman), Carington, Colgan, Hastie, Knight; Ms. Parker; Mr. Plimpton. Public Members: Mrs. Caspar W. Weinberger, The Honorable L. Richardson Preyer.

Committee on Student Life. Messrs. Esty (Chairman), Beitzel, Bragdon, Carington, Davis, McKean; Ms. Parker; Mr. Stifler.

Committee on Personnel. Messrs. Liedtke (Chairman), Bragdon, Colgan, Cross, Davis, Peterson, Seligman.

Committee on Development. Messrs. McKean (Chairman), Beitzel, Colgan, Cross, Knight, Liedtke.

Committee on Five College Relationships. Messrs. Knight (Chairman), Beitzel, Carington, McKean, Merrill; Ms. Parker; Mr. Stifler.

The corporate name of the College is

THE TRUSTEES OF AMHERST COLLEGE

Faculty

John William Ward, *President of the College*. A.B. (1945) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

EMERITI

Charles Woolsey Cole, *President, Emeritus*. B.A. (1927) Amherst College; A.M. (1928), Ph.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; Litt.D. (1948) Hamilton College; Sc.D. (1948) Clarkson College; LL.D. (1964) Emerson College.

Calvin Hastings Plimpton, *President, Emeritus*. B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College; Litt.D. (1969) Michigan State University; LL.D. (1971) Amherst College.

George William Bain, *Samuel A. Hitchcock Professor of Mineralogy and Geology, Emeritus*. B.Sc. (1921), M.Sc. (1923) McGill University; M.A. (1923), Ph.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

Theodore Baird, *Samuel Williston Professor of English, Emeritus*. B.A. (1921) Hobart College; M.A. (1922), Ph.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

Ralph Alonzo Beebe, *Massachusetts Professor of Chemistry, Emeritus*. B.A. (1920) Amherst College; Ph.D. (1923) Princeton University.

Robert Hermann Breusch, *Walker Professor of Mathematics*. Ph.D. (1932) University of Freiburg; M.A. (hon. 1954) Amherst College.

AMHERST COLLEGE

Stephen Brown, *College Physician and Parmly Billings Professor of Hygiene*. B.A. (1928) Amherst College; M.D. (1932) Yale University.

Paul Witherspoon Eckley, *Professor of Physical Education, Emeritus*. B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

Reginald Foster French, *Professor of Romance Languages, Emeritus*. B.A. (1927) Dartmouth College; M.A. (1928), Ph.D. (1934) Harvard University; M.A. (hon. 1947) Amherst College.

Alfred Freeman Havighurst, *Professor of History, Emeritus*. B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; Ph.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

Michael Joseph Kennedy, *Associate Professor of Physical Education, Emeritus*.

George Wallace Kidder, *Stone Professor of Biology, Emeritus*. B.A. (1926) University of Oregon; M.A. (1929) University of California; Ph.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; Sc.D. (hon. 1950) Wesleyan University.

Theodore Koester, *Professor of Psychology*. B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; Ph.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.

Earl Latham, *Distinguished Lecturer in Political Science*. B.A. (1931), Ph.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

Albert Ernest Lumley, *Professor of Physical Education, Emeritus*. B.A. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.

Ralph Cleland McGoun, Jr., *Professor of Dramatic Arts, Emeritus*. B.A. (1927), M.A. (1929) Amherst College.

Newton Felch McKeon, *Professor of English & Director of Robert Frost Library, Emeritus*. B.A. (1926) Amherst College.

Allison Wilson Marsh, *Professor of Hygiene and Physical Education, Emeritus*. B.A. (1913) Amherst College; M.Ed. (1925) Harvard University; L.H.D. (1963) Amherst College; L.A.D. (1971) Washington and Jefferson College.

Charles Hill Morgan, *Professor of Fine Arts on the William R. Mead Foundation, Emeritus*. B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

Harold Henry Plough, *Edward S. Harkness Professor of Biology, Emeritus*. B.A. (1913) Amherst College; M.A. (1915), Ph.D. (1917) Columbia University; Sc.D. (1963) Amherst College.

FACULTY

Charles Ensign Rogers, *Professor of Fine Arts and Dramatic Arts, Emeritus.* B.A. (1927) Albion College; M.A. (1931) Columbia University; M.A. (hon. 1961) Amherst College.

Steven Martin Rostas, *Professor of Physical Education, Emeritus.* B.A. (1921) Br. Eötvös, Budapest; M.Ed. (1942) University of Massachusetts; M.A. (hon. 1961) Amherst College.

Edward Dwight Salmon, *Winkley Professor of History, Emeritus.* B.S. (1917) University of Rochester; M.A. (1923), Ph.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.

Anthony Scenna, *Professor of German, Emeritus.* B.A. (1927) Amherst College; M.A. (1929), Ph.D. (1937) Columbia University.

Oscar Emile Schotté, *Rufus Tyler Lincoln Professor of Biology, Emeritus.* B.S. (1920), Sc.D. (1925) University of Geneva; M.A. (hon. 1944) Amherst College.

Theodore Soller, *Professor of Physics, Emeritus.* B.A. (1922) Oberlin College; M.A. (1924), Ph.D. (1931) University of Wisconsin, M.A. (hon. 1946) Amherst College.

Atherton Hall Sprague, *Professor of Mathematics, Emeritus.* B.A. (1920) Amherst College; M.A. (1923), Ph.D. (1941) Princeton University.

George Rogers Taylor, *George D. Olds Professor of Economics, Emeritus.* Ph.B. (1921), Ph.D. (1929) University of Chicago; M.A. (hon. 1939) Amherst College.

Willard Long Thorp, *Professor of Economics, Emeritus.* B.A. (1920) Amherst College; M.A. (1921) University of Michigan; Ph.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.

Frederick King Turgeon, *Professor of French, Emeritus.* B.A. (1923) Bowdoin College; M.A. (1924), Ph.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

Richard Gilman Van Petersilge, *Instructor in Physical Education, Emeritus.*

Colston Estey Warne, *Professor of Economics, Emeritus.* B.A. (1920), M.A. (1921) Cornell University; Ph.D. (1925) University of Chicago; M.A. (hon. 1942) Amherst College.

Robert Byron Whitney, *George H. Corey Professor of Chemistry, Emeritus.* B.A. (1924), Ph.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.

AMHERST COLLEGE

Eugene Smith Wilson, *Dean of Admission, Emeritus*. B.A. (1929) Amherst College; L.H.D. (hon. 1971) Amherst College; L.L.D. (hon. 1971) University of Massachusetts.

Albert Elmer Wood, *Professor of Biology, Emeritus*. B.S. (1930) Princeton University; M.A. (1932), Ph.D. (1935) Columbia University; M.A. (hon. 1954) Amherst College.

LECTURERS

Henry Steele Commager, *Simpson Lecturer in History*. Ph.B. (1923), M.A. (1924), Ph.D. (1928) University of Chicago. M.A. (hon. 1947) Cambridge University, (hon. 1952) Oxford University, (hon. 1957) Amherst College; Ed.D. (1960) Rhode Island College of Education; Litt.D. (1958) Washington College, (1959) Ohio Wesleyan University, (1959) Monmouth College, (1964) University of Pittsburgh, (1965) Marymount College, (1967) Marietta College, (1970) Hampshire College; D.Litt. (1960) Michigan State University, (1962) Cambridge University, (1962) West Virginia University, (1962) Franklin and Marshall College, (1967) Wilson College, (1974) Adelphi University, C.W. Post College; L.H.D. (1960) Brandeis University, (1962) University of Hartford, (1963) University of Puget Sound, (1964) Alfred College; LL.D. (1967) Merrimack College, (1967) Carleton College, (1967) Dickinson College, (1968) Franklin Pierce College, (1969) Columbia University, (1970) Ohio State University, (1974) University of Alaska; D.H.L. (1970) Maryville College, (1972) University of Massachusetts.

Earl Latham, *Distinguished Lecturer in Political Science*. B.A. (1931), Ph.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

PROFESSORS

Hugh George Jeffrey Aitken†, *Professor of Economics*. B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; Ph.D. (1951) Harvard University; M.A. (hon. 1966) Amherst College.

Duane W. Bailey, *Professor of Mathematics*. B.A. (1957) Washington State University; M.A. (1959), Ph.D. (1961) University of Oregon.

Ralph E. Beal†, *Professor of Economics*. B.S. (1958) University of Kentucky; M.A. (1959) Northwestern University; Ph.D. (1970) Massachusetts Institute of Technology; M.A. (hon. 1971) Amherst College.

†On leave first semester 1974-75.

†On leave second semester 1974-75.

FACULTY

Bruce Buzzell Benson, *Professor of Physics*. B.A. (1943) Amherst College; M.S. (1945), Ph.D. (1947) Yale University.

Norman Birnbaum, *Professor of Sociology*. B.A. (1947) Williams College; M.A. (1951) Harvard University; M.A. (1960) Oxford University; Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

Walter Leroy Boughton, *Stanley King Professor of Dramatic Arts and Director of Kirby Memorial Theater*. B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University; M.A. (hon. 1964) Amherst College.

Joseph Brodsky, *Five College Distinguished Visiting Professor in Russian*.

Gerald Patrick Brophy, *Professor of Geology*. B.A. (1951), M.A. (1953), Ph.D. (1954) Columbia University; M.A. (hon. 1968) Amherst College.

Lincoln Pierson Brower, *Professor of Biology*. B.A. (1953) Princeton University; Ph.D. (1957) Yale University; M.A. (hon. 1968) Amherst College.

John Arthur Cameron, *Professor of English*. B.A. (1952), M.A. (1957), Ph.D. (1963) Yale University; Diploma (1955) University of Edinburgh; M.A. (hon. 1970) Amherst College.

Jeffrey James Carre, *Professor of Romance Languages*. B.A. (1940) Bowdoin College; Ph.D. (1950) Columbia; M.A. (hon. 1964) Amherst College.

Frederic Lawrence Cheyette, *Professor of History*. A.B. (1953) Princeton University; M.A. (1954), Ph.D. (1959) Harvard University; M.A. (hon. 1974) Amherst College.

Richard John Cody, *Professor of English and College Librarian*. B.A. (1952) University of London (University College, Southampton); M.A. (1958), Ph.D. (1961) University of Minnesota; M.A. (hon. 1968) Amherst College.

Arnold Collery†, *Professor of Economics*. B.A. (1950) University of Buffalo; Ph.D. (1958) Princeton University; M.A. (hon. 1964) Amherst College.

Haskell Robert Coplin†, *Professor of Psychology*. B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

G(eorge) Armour Craig, *Professor of English*. B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1947) Harvard University.

Peter Czap, Jr., *Professor of History*. B.A. (1953) Rutgers University; Ph.D. (1959) Cornell University.

Asa Davis*, *Professor of History and Black Studies*. B.A. (1948) Wilberforce University; S.T.B. (1951), S.T.M. (1952), Ph.D. (1960) Harvard University; M.A. (hon. 1972) Amherst College.

*On leave 1974-75.

†On leave second semester 1974-75.

AMHERST COLLEGE

Benjamin Haile DeMott, *Professor of English*. B.A. (1949) George Washington University; M.A. (1950), Ph.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

Colby Wilson Dempsey*, *Professor of Physics*. B.A. (1952) Oberlin College; M.A. (1955), Ph.D. (1957) Rice Institute; M.A. (hon. 1968) Amherst College.

James Quincy Denton, *Professor of Mathematics*. B.S. (1951) California Institute of Technology; M.S. (1958), Ph.D. (1962) University of Oregon; M.A. (hon. 1974) Amherst College.

Henry Frederick Dunbar, Jr., *Professor of Physical Education*. B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; Ph.D. (1950) Columbia University.

Joseph Epstein, *Professor of Philosophy*. B.S.S. (1939) City College of New York; Ph.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

Richard David Fink, *Professor of Chemistry*. A.B. (1958) Harvard University; Ph.D. (1962) Massachusetts Institute of Technology; M.A. (hon. 1971) Amherst College.

Richard Martin Foose, *Professor of Geology*. B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; Ph.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.

Prosser Gifford, *Professor of History and Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University; M.A. (hon. 1969) Amherst College.

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*On leave 1974-75.

†On leave first semester 1974-75.

FACULTY

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†On leave first semester 1974-75.

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AMHERST COLLEGE

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Robert Freeman Grose, *Associate Professor of Psychology, Registrar and Director of Institutional Research*. B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

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Robert Alexander Farrar Thurman, *Assistant Professor of Religion.* B.A. (1968), A.M. (1969), Ph.D. (1972) Harvard University.

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Virginia Dewey, *PH.D., Biology*
Phillip Truman Ives, *PH.D., Biology*
Daniel Krause, Jr., *PH.D., Physics*
Jeffrey Wang, *PH.D., Chemistry*

RESEARCH ASSISTANTS

Phyllis King, *B.A., Physics*
Robin Tolles, *B.S., Chemistry*

LANGUAGE ASSISTANTS

Veronique Deflaux, *French*
Willi Goldstein, *German*
Judith Kirk, *Spanish*
Jean Philippe Mathy, *French*
Jean-Louis Morillon, *French*

FACULTY COMMITTEES

Committee of Six. President Ward (Chairman, *ex officio*), Dean Gifford (Secretary, *ex officio*), Professors Cameron, Fink, Hexter, O'Connell, Pemberton, and Pitkin.

Committee on Educational Policy. Professors Benson, Levin, Olver, Pritchard, and White; Robert J. McCartney '75, Andrew R. Marks '76, and Scott M. Sirlin '76.

College Council. Deans Drinkwater and Behnke (Secretary), Professors Arkes (Chairman), Bruss, Dizard, and Halsted; Harlan A. Levy '77, Charles W. Monheim '75, Carl Oxholm, III '75, Paul J. Vincent '77, and Richardson L. Watkins '76.

Judicial Board. Professors Kearns (Chairman), and Starr; William J. Kayatta, Jr. '76, Bruce D. Tahsler '75, and John R. Hupper, Jr. '77.

Committee on Priorities and Resources. President Ward, Dean Gifford, Professors Bailey (Chairman), Heath, and Kohler; Mr. Hertzfeld (Treasurer); Richard J. MacIntyre '75, James S. Jacobs '76, and Harlan A. Levy '77.

FACULTY

Committee on Admissions and Scholarships. President Ward (*ex officio*), Deans Orders, Routh, and Wall (Secretary); Professors Babb, Carre (Chairman), Grose, Sargent and Spelman; Charles C. Benedict, II '75, David S. Dunbar '75, Jeffrey E. Fine '77, and Lloyd J. Miller '77.

Committee on Faculty Housing. Professors Griffiths, Kirwin, Mehr, and Mudge; Mr. Howland (*ex officio*).

Committee on Field Study. Dean Drinkwater, Professors Brophy, Buff, and DeMott (Chairman).

Committee on Guidance and Counseling. Deans Behnke, Drinkwater (Chairman), Littlefield, and Motley; Drs. Russell Lane and Robert May; Professors Beck and Coplin; The Rev. James Clark.

Committee on Honorary Degrees. Professors Craig, Kropf, and Petropulos; Lee S. Newman '75, Eric J. Sonnenschein '75, and John I. Williams, Jr. '75.

Committee on Independent Study. Dean Drinkwater, Professors Cheyette (Chairman), Fisher, and Guttman.

Committee on Interdisciplinary and Special Studies. Dean Drinkwater, Professors Belt, Upton (Chairman), and Weary.

Committee on Physical Education and Athletics. President Ward, Deans Drinkwater (*ex officio*) and Gifford; Dr. Russell M. Lane (*ex officio*); Professors Beck, Hadlock, McCabe, Mehr, Thurston, and Yost; William R. Cox, III '75 and Arthur R. Shelley, Jr. '75.

Copeland Colloquium Committee. Professors Arkes, Kearns, Kennick (Chairman); Ronald H. Ware '76.

Faculty Computer Committee. Professors Czap, George, Grose, Sorenson, and Starr; Mr. Plourde and Mrs. Steele.

Fellowship Committee. Deans Gifford (Chairman) and Routh (Secretary), Professors Craig, Hexter, Kearns, and Kennick.

Lecture Committee. Professors Giordanetti (Chairman), Greenstein, and Tiersky.

Library Committee. Professors Cody, Gordon, and Marshall (Chairman); Mr. Laughler (*ex officio*); Andrew L. Hyams '76 and Richardson L. Watkins '76.

Lucius R. Eastman Fund Committee. Professors Schmalz, Thurman, and Zimmerman.

Readmission Committee. Deans Behnke, Drinkwater, Routh, and Wall; Professors Gooding, Grose, and Weary.

Fellows

Dennis Aftergut '69, *John Woodruff Simpson Fellow in Law*. Harvard University.

Timothy Woodhouse Armour '70, *Amherst Memorial Fellow in Business Administration*. Harvard University.

Michael Allen Bradley '71, *Amherst Memorial Fellow in Business Administration*. Harvard University.

Gerald Graham Brown '74, *Roland Wood Fellow in Acting*.

Stephen Charles Chenault '74, *John Woodruff Simpson Fellow in Medicine*. University of Rochester.

Wang Kong Cheung '74, *C. Scott Porter Fellow in Physics*. University of Pennsylvania.

Shin Chiba '74, *George Stebbins Moses Memorial Fellow in Theology*. Mansfield College, Oxford University.

Joseph Patrick Crowe, Jr. '74, *John Woodruff Simpson Fellow in Medicine*. Case Western Reserve University.

Erroll Valentine Daniel '71, *Amherst Memorial Fellow in Cultural Anthropology*. University of Chicago.

Charles Talcott Davis '74, *John Woodruff Simpson Fellow in Medicine*. University of Connecticut.

Thomas Dean DeBree '72, *John Woodruff Simpson Fellow in Theology*. Princeton Theological Seminary.

Adrian Walter Doherty '74, *Amherst Memorial Fellow in Business*. Wharton School, University of Pennsylvania.

Gianni Corso Donati '74, *Edward Poole Lay Fellow in Music*. Brandeis University.

William Alan Doubleday '72, *Benjamin Goodall Symon, Jr. Memorial Fellow in Theology*. Episcopal Divinity School.

Henry Nordling Eakland '74, *Amherst Memorial Fellow in French Literature*. École Normale Supérieure.

Daniel Mark Epstein '74, *Amherst Memorial Fellow in English*. Columbia University.

FELLOWS

William Nelson Ferm '74, *Charles B. Rugg Fellow in Law*. Harvard University.

Kenneth William Franklin '74, *John Woodruff Simpson Fellow in Medicine*. Harvard University.

Louis Mark Goldring '74, *Forris Jewett Moore Fellow in Philosophy*. Oriel College, Oxford University.

Alan Robert Goodman '73, *John Woodruff Simpson Fellow in Law*. Western New England Law School.

Michael Gordon '74, *Amherst Memorial Fellow in Clinical-Child Psychology*. Ohio State University.

Joel Walker Hay '74, *Amherst Memorial Fellow in Economics*. Massachusetts Institute of Technology.

Thomas Ludwig Holzman '72, *John Woodruff Simpson Fellow in Law*. University of Pennsylvania.

Robert Warren Howarth '74, *Amherst Memorial Fellow in Ecology/Oceanography*. M.I.T.—Woods Hole Marine Biological Laboratory.

Daniel Cameron Johnson '74, *Edward Hitchcock Fellow in Education*. University of Massachusetts.

Ralphael Tyrone Johnson '73, *Edward Poole Lay Fellow in Music*. Conservatory of Munich.

Walter Carroll Johnson '74, *Henry P. Field Fellow in English*. University of Pennsylvania.

Eric Richard Johnston '73, *Forris Jewett Moore Fellow in Chemical Oceanography*. Scripps Institution of Oceanography.

Michael Andrew Kahn '74, *Amherst Memorial Fellow in Education*. Northwestern University.

Thomas Kevin Kennedy '74, *Amherst Memorial Fellow in Sculpture and Art*. Boston University School of Fine and Applied Arts.

David Lacher '74, *John Woodruff Simpson Fellow in Law*. Syracuse University.

Mark Mangini '74, *Edward Poole Lay Fellow in Music*. Smith College.

Marc Edward Manly '74, *John Woodruff Simpson Fellow in Law*. University of Michigan.

David Nicholas Mastronarde '74, *John Woodruff Simpson Fellow in Law and Public Policy*. Harvard Law and Kennedy School of Government.

AMHERST COLLEGE

Scott Audley McGill '73, *John Woodruff Simpson Fellow in Law*. University of Maine.

Terry Lonzo Medley '74, *John Woodruff Simpson Fellow in Law*. University of Virginia.

John Edwin Monego '71, *Amherst Memorial Fellow in Slavic Literature*. University of Virginia.

Kevin John O'Brien '74, *Forris Jewett Moore Fellow in History*. Cornell University.

Randy Phillip Orlik '74, *John Woodruff Simpson Fellow in Law*. Berkeley Law School.

Robert Paine III '73, *Forris Jewett Moore Fellow in Philosophy*. Corpus Christi College, Oxford University.

Peter Jay Rachleff '73, *Roswell Dwight Hitchcock Memorial Fellow in Labor History*. University of Pittsburgh.

Christopher George Rafferty '74, *John Woodruff Simpson Fellow in Dental Medicine*. University of Maryland.

Michael Andrew Rogawski '74, *John Woodruff Simpson Fellow in Medicine*. Yale University.

David Satran '74, *Forris Jewett Moore Fellow in History of Jewish Thought*. Hebrew University of Jerusalem.

William Justin Severni '74, *John Woodruff Simpson Fellow in Law*. University of Connecticut.

Peter Michael Shea '72, *John Woodruff Simpson Fellow in Clinical Psychology*. Hahnemann Medical College.

Bruce Nevin Shortt '74, *Sterling P. Lamprecht Fellow in Philosophy*. University of Edinburgh.

Neil Sullivan '74, *Warner Gardner Fletcher Fellow in Education and History*. Northwestern University.

Richard Thomas Thomson '74, *John Woodruff Simpson Fellow in Law*. University of Michigan.

Christopher Carl Torch '74, *Roland Wood Fellow in Theatre and Education*. To found New Cell Theatre as an independent theatre/school in Amherst, Massachusetts.

Raphael Tshisambu-Sambu Tshibangu, *John Woodruff Simpson Fellow in Medicine*. University of Rochester.

ADMINISTRATION

James David Velleman '74, *Amherst Memorial Fellow in Classics and Philosophy*. Oxford University.

William Stewart Waddell '74, *Henry P. Field Fellow in English*. University of North Carolina.

David Keith Ware '73, *John Woodruff Simpson Fellow in Law*. University of Connecticut.

James David Wicklatz '73, *Henry P. Field Fellow in History of Science*. University of Pittsburgh.

Howard Robert Wolf '58, *Amherst Memorial Fellow in English*. Macdowell Colony.

Wayne Marvin Wormley '72, *Amherst Memorial Fellow in Business and Education*. Stanford University.

David Raphael Zaret '73, *Amherst Memorial Fellow in Sociology*. St. Edmund Hall, Oxford University.

Officers of Administration

John William Ward, *President of the College*. A.B. (1945) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

Prosser Gifford, *Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard University; Ph.D. (1964) Yale University; M.A. (hon. 1969) Amherst College.

David Drinkwater, *Dean of Students*. B.A. (1964), D.Phil. (1971) University College, Oxford University.

Edward Baker Wall, *Dean of Admission*. B.A. (1956) Yale University.

Michael Clare Behnke, *Associate Dean of Admission and Assistant Dean*. B.A. (1965) Amherst College; M.A. (1970) University of Pennsylvania.

John M. Orders, *Assistant Dean of Admission*. B.A. (1964) Amherst College; A.M. (1969) Harvard University.

Richard Allen Ammons, *Assistant to the Dean of Admission; Graduate Fellow on the Mayo-Smith Teaching Grant*. B.A. (1974) Amherst College.

Jonathan Issac Landman, *Assistant to the Dean of Admission; Graduate Fellow on the Mayo-Smith Teaching Grant*. B.A. (1974) Amherst College.

AMHERST COLLEGE

Donald McMillan Routh, *Associate Dean*. B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

Henry Miller Littlefield, *Associate Dean*. B.A. (1954), M.A. (1959), Ph.D. (1967) Columbia University.

Frank Motley, *Assistant Dean*. B.A. (1970), J.D. (1974) Columbia University.

Robert Freeman Grose, *Registrar and Director of Institutional Research*. B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

Gerald M. Mager, *Associate Registrar*. A.B. (1965), A.M. (1967), Ph.D. (1972) University of Illinois.

Kurt Maximilian Hertzfeld, *Treasurer*. B.A. (1941), M.B.A. (1942) Harvard University; M.A. (hon. 1969) Amherst College.

David Raymond Hornfischer, *Computer System Coordinator*. B.A. (1965) Trinity College.

Thomas Alvan Weber, *Assistant to the Treasurer*. B.A. (1967), M.B.A. (1969) Harvard University.

George Burnham May, *Comptroller and Assistant Treasurer*. B.A. (1946) Amherst College.

Richard Edward Green, *Assistant Comptroller*. B.B.A. (1966) Western New England College.

Paul Jerome Plourde, *Director, Computer Center*. B.A. (1962) University of New Hampshire; M.A. (1967) Northeastern University.

David Frederick Howland, *Personnel Officer*. B.A. (1950) Hofstra University.

John Lewis Callahan, Jr., *General Secretary*. B.A. (1955) Dartmouth College; M.A. (hon. 1970) Amherst College.

John Howard Peterson, *Assistant Director for Development*. B.A. (1971) Amherst College.

James Alfred Guest, *Secretary to the Committee on Deferred Gifts and Bequests*. B.A. (1933), L.H.D. (1971) Amherst College; LL.B. (1936) Yale University.

Frederic John Gardner, *Secretary of the Alumni Council*. B.A. (1949) Amherst College.

Robert Monroe Soule, Jr., *Assistant Alumni Secretary*. B.A. (1970) Amherst College.

Horace Wilson Hewlett, *Secretary of the College and Director of Publications*. B.A. (1936) Amherst College; M.A. (1941) Yale University.

ADMINISTRATION

Andrew DeToma, *Assistant Secretary of the College*. B.S. Ed. (1963) Massachusetts State College at Fitchburg; M.A. (1965) University of Massachusetts.

Jeffrey Marc Mondschein, *Assistant to the Secretary of the College; Graduate Fellow on the Ives Washburn Grant*. B.A. (1974) Amherst College.

Richard Shelley Light, *Audio-Visual Specialist*. B.S. Ed. (1952) West Chester State College.

Otis Cary, *Director of Amherst House, Doshisha University*. B.A. (1946) Amherst College; M.A. (1951) Yale University.

William August Mueller, *Director of Physical Plant and Services*. B.Aero.E. (1942), B.C.E. (1952) Rensselaer Polytechnic Institute.

William Maurice Golding, *Manager of Dining Halls*.

Benjamin Franklin McCabe, *Director of Intercollegiate Athletics*. B.A. (1946) Iowa State Teachers College; M.A. (hon. 1964) Amherst College.

Russell Montague Lane, *Director of Student Health Services*. B.A. (1950) Amherst College; M.D. 1955) University of Rochester.

Lewis Trimble Broschard, Jr., *Staff Physician*. B.S. (1963) Muhlenburg College; M.D. (1968) University of Pennsylvania.

Robert May, *Clinical Psychologist*. B.A. (1962) Wesleyan University; M.A. (1965), Ph.D. (1969) Harvard University.

Sanford Bloomberg, *Associate College Physician*. B.A. (1950) University of Vermont; M.A. (1951) Columbia University; M.D. (1957) University of Vermont.

Daniel Phillip Schwartz, *Associate College Physician*. B.A. (1949), M.D. (1952) University of Minnesota.

Thomas Clifford Wilson, *Associate College Physician*. B.A. (1950) West Virginia University; M.D. (1960) Medical College of Virginia.

David Carleton Yates, *Graduate Fellow in the Pratt Museum*. B.A. (1972) Amherst College.

William Frantz McCorkle, Jr., *Graduate Fellow in Music*. B.A. (1973) Amherst College.

MEAD ART BUILDING

Frank Anderson Trapp, PH.D., *Director*
Lewis Shepard, M.A., *Curator*

AMHERST COLLEGE
THE ROBERT FROST LIBRARY

Charles Theodore Laughler, PH.D., *Director of Robert Frost Library*
Floyd Samuel Merritt, M.A., S.M., *Reference Librarian*
J. Richard Phillips, B.A., M.A., *Special Collections Librarian*
Eleanor T. Brown, B.A., M.S. in L.S., *Head of Circulation*
Elinor A. Richards, B.A., A.M.L.S., *Chief Cataloguer*
Richard S. Light, B.S., *Audio Visual Supervisor*
Helen Collery, B.A., *Science Library Assistant*
Hertha Banfield, *Serials Librarian*
Hope Wright, B.A., *Serials Cataloguer*
Carol Porter Baldwin, *Cataloguer*
Nancy Hathaway Buck, B.A., M.S. in L.S., *Cataloguer*
Sally Evans, B.A., M.S.L.S., *Cataloguer*
Margaret Groesbeck, B.A., M.S., *Assistant Reference Librarian*

KIRBY MEMORIAL THEATER

Walter Leroy Boughton, M.F.A., *Director*

THE PRATT MUSEUM OF NATURAL HISTORY

Gerald P. Brophy, PH.D., *Director, Curator of Mineralogy*
Peter Isaacson, PH.D., *Visiting Associate Curator of Invertebrate
Paleontology*
Walter S. Coombs, PH.D., *Visiting Associate Curator of Vertebrate
Paleontology*
Anthony Dahowski, *Curator*
David C. Yates, B.A., *Assistant Curator of Archeology and
Anthropology*

EMILY DICKINSON HOUSE

Jean McClure Mudge, PH.D., *Curator*

MABEL LOOMIS TODD FOREST

Lincoln Pierson Brower, PH.D., *Curator*

RELIGIOUS ADVISORS

The Rev. James H. Clark, B.J., M.DIV.
Grace Episcopal Church
The Rev. Charles R. Farrell, B.D.
First Congregational Church

ADMINISTRATION

The Rev. Richard E. Koenig, B.D., S.T.M.
Immanuel Lutheran Church

The Rev. J. Joseph Quigley, B.S.
Newman Center, University of Massachusetts

Rabbi Yechiael Lander, B.A., B.H.L., M.A.
Smith College Chapel

Jeremy Brochin, B.A., M.A.
Amherst College

STUDENT HEALTH SERVICE

Russell M. Lane, M.D., *Director of Student Health Services*
Lewis T. Broschard, Jr., M.D., *Staff Physician*
Marjorie R. Crossman, R.N., *Nurse Practitioner*
Lois C. Meunier, R.N., *Nurse Practitioner*
Faith F. Lovering, R.N., *Staff Nurse*

THREE COLLEGE COMPUTER CENTER

Paul J. Plourde, B.A., M.A., *Director*
Clela B. Reeves, B.A., M.A., *Systems Analyst*
David B. Cernak, B.A., M.B.A., *Systems Analyst*
Frederick G. Roberts, *Operations Manager*

ACADEMIC COMPUTER CENTER

Elizabeth Steele, B.A., *Academic Computer Coordinator*

FIVE COLLEGES INCORPORATED

North Burn, Ph.D., *Five College Coordinator*
Dean Prosser Gifford, Ph.D., *Five College Deputy*
Sonia Benita Sanchez, B.A., *Five College Black Studies Committee Representative*
Peter Czap, Jr., Ph.D., *Five College Ph.D. Committee Representative*

II

AMHERST COLLEGE

ADMISSION

GENERAL REGULATIONS

TUITION AND FEES

FINANCIAL AID

DEGREE REQUIREMENTS

Kirby Memorial Theater



Amherst College

AMHERST was founded in 1821 as an independent liberal arts college for "the education of indigent young men of piety and talents for the Christian ministry." It has never been connected, however, with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, bans tests of religion in choosing students and teachers.

Among Amherst's founders were Noah Webster, the lexicographer, and Samuel Fowler Dickinson, grandfather of the poet Emily. The College received its initial support from many residents of the town from which it takes its name. (The town, which was incorporated in 1759, was named for General Jeffery Amherst, then Commander-in-chief of British forces in the New World and protector of the colonies in the French and Indian War.) The College has enjoyed a long and close association with the community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson (Ray Stannard Baker), and Robert Frost.

The campus is situated on a hill adjacent to the central town common. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat, fertile land of the Connecticut River Valley and by ranges of hills to the south and east. Nearby are towns and places whose names recall another age in the life of New England: Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards' Church. A few miles away are four other institutions of higher learning: Hampshire, Smith, and Mount Holyoke Colleges, and the University of Massachusetts with which Amherst engages in a number of cooperative educational ventures. (These are described on page 38.)

The College offers the bachelor of arts degree and cooperates with the University of Massachusetts in a Five College Ph.D. program. The College curriculum involves study in the humanities, the social sciences, and the natural sciences and combines a broad education with knowledge of some field in depth. Emphasis falls upon each student's responsibility for the selection of an appropriate program. Special freshman seminars exist to assist an exploration of various aspects of intellectual commitment. Freshmen may select a major field of study on entrance; exceptionally qualified students may satisfy graduation requirements in three years; some may engage in independent study free of formal courses in their junior and senior years; honors work—the intensive consideration of a limited subject—is encouraged.

Whatever the form of academic experience—lecture course, seminar, conference, studio, laboratory, independent study at various levels—intellectual competence and awareness of problems and methods are the goal of the

AMHERST COLLEGE

Amherst program, rather than the direct preparation for some profession. The curriculum enables students to arrange programs for their own educational needs within established guidelines. To assist undergraduates in their course selections, faculty advisors, representing all academic departments, have been selected. They provide such counsel as is requested, but the ultimate responsibility for a thoughtful program of study rests with the individual student.

A statement of graduation requirements and programs of study begins on page 57. A more detailed description of the curriculum may be obtained from the Office of Admission.

The College's faculty is engaged in two primary activities: first, the education of undergraduates, and, second, research and writing. Its 150 members hold degrees from colleges and universities throughout this country and abroad. Classes range in size from a lecture course of 180 to several courses of only five students; about 80 percent of the classes and sections have twenty-five students or less.

Amherst is equipped with considerable physical resources: a library of some 441,715 volumes, science laboratories, theater, gymnasium, swimming pool, skating rink, squash and tennis courts, playing fields, a museum of fine arts and another of natural sciences, a central dining hall where all students eat, dormitories, language laboratory, and classroom buildings. There are a wildlife sanctuary and a forest for the study of ecology, an observatory and planetarium, a computer center, and varied equipment for specialized scientific research. At Amherst, and at its neighboring institutions, there are extensive offerings of lectures, concerts, plays, films, and many other events. The College's endowment is approximately \$57 million (book value).

In the early 1960s Amherst increased its enrollment from 1,000 to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College constructed a new dining hall, five new dormitories, and the Robert Frost Library. New buildings for science and music were completed in 1968.

Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education to improve his fitness and allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural athletics.

Undergraduates may also take part in a variety of other extracurricular activities: journalism, publishing, broadcasting, music, dramatics, and a wide assortment of specialized interests. Religious groups, working independently or through the religious advisors, maintain a program of worship services, Bible study, community service projects, and other activities.

Many Amherst students join a social fraternity or house at the end of

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their freshman year. These organizations provide housing for many of their members and are one focus of social life after the first year. Since 1946 the fraternities have selected their members without consideration of race or religion, and since 1951 every student who has wanted to join a fraternity has had the opportunity to do so.

As the campus has grown so has the College's involvement with the world. In 1821 most students came to Amherst from nearby towns intending to become ministers or missionaries. Facilities were simple; for three years South College was Amherst's only building, housing dormitory, library, and classrooms. Today students come from most of the fifty states and many foreign countries and bring with them backgrounds and interests far different from those of the "indigent young men of piety and talents" who preceded them nearly a century and a half ago.

Instruction still adheres to the liberal arts and sciences, but world forces are now felt in the classroom and out. Modern transportation and communication have changed what was once a sleepy little New England village into a growing center of activity and concern. Involvement in research or in social and economic issues takes some students to many parts of the country and abroad—as it does most of their teachers as well. Civil rights issues and national policies have an impact on the campus that would have been unimaginable even a generation ago. Graduates for the most part continue their formal education to become teachers, physicians, lawyers, and businessmen. At Amherst, hopefully, they will have only begun their education at "commencement," but will have developed attitudes and values that will encourage them to participate thoughtfully and generously in the service of mankind.

THE INTERTERM

The January Interterm is a four-week period between semesters free from the formal structures of regular classes, grades, and academic credit. It is, in essence, a time when each student may undertake independent study in a subject or area to which he might not have access during the normal course of the year.

A student may center his activities on the campus or elsewhere as he chooses. He may read, write, paint, compose, or inquire into some question or concern as his inclination, ingenuity, and resources permit. He may wish to explore further or more deeply a subject which has aroused his curiosity or about which he wishes to know more. He may also, if a teacher agrees to assist him, seek guidance from or work with a member of the faculty and other students in a joint endeavor.

The purpose of the Interterm is to remove, for four weeks, the constraints that prevail during normal class work and permit students to adjust their inquiry to their own interests and capabilities. With this freedom each student assumes the responsibility of using his time to his best advantage

AMHERST COLLEGE

and of increasing his understanding of himself and of his educational and social environment.

PRESIDENTS OF AMHERST COLLEGE

1821-1823	Rev. Zephaniah Swift Moore, D.D.
1823-1845	Rev. Heman Humphrey, D.D.
1845-1854	Rev. Edward Hitchcock, D.D., LL.D.
1854-1876	Rev. William Augustus Stearns, D.D., LL.D.
1876-1890	Rev. Julius Hawley Seelye, D.D., LL.D.
1890-1899	Merrill Edwards Gates, PH.D., LL.D., L.H.D.
1899-1912	Rev. George Harris, D.D., LL.D.
1912-1924	Alexander Meiklejohn, PH.D., LL.D.
1924-1927	George Daniel Olds, LL.D.
1927-1932	Arthur Stanley Pease, PH.D., LL.D.
1932-1946	Stanley King, LL.D.
1946-1960	Charles Woolsey Cole, PH.D., L.H.D., SC.D., LITT.D., LL.D.
1960-1971	Calvin Hastings Plimpton, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D.
1971-	John William Ward, PH.D.

FIVE COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College, Hampshire College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. See page 61 for further information.

The oldest cooperative venture is the Hampshire Inter-Library Center, housed in the Graduate Research Center at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the five libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the five institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in African-American studies; a Ph.D. program; a common calendar of events; a committee on transportation; a registry of part-time workers; and a Coordinator for cooperative projects.

NORTH BURN, PH.D., *Coordinator*

EXCHANGE PROGRAMS AND STUDY ABROAD

The College encourages students to participate in educational programs at other institutions in the continental United States and abroad. Besides exposure to other educational systems, different faculty, and courses of study

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not immediately available in the Five College area, such exchanges offer cultural and other educational benefits that may constructively augment the student's academic career at Amherst College. Students engaged in language programs or in European Studies, as well as those interested in Third World societies, are recommended to discuss study abroad options with appropriate members of the faculty. Selected students may participate in Independent Study projects under guidance from faculty at Amherst College without enrollment at host institutions, and may pursue their studies elsewhere in the United States or abroad.

Within the Northeast, the College has special exchange arrangements with Bowdoin, Connecticut, Dartmouth, Mount Holyoke, Smith, Trinity, Vassar, Wellesley, Wesleyan, Wheaton, and Williams Colleges which together form the Twelve College Exchange Program. The College also has a special exchange arrangement with Morgan State College. Students interested in pursuit of programs at other universities and colleges may apply to them for "occasional" or "transient" student status, and may transfer credit earned for full-course semesters of work to satisfy degree requirements at Amherst College.

Associated Kyoto Program—The program, sponsored by Amherst and eight other institutions, is hosted by Doshisha University in Kyoto. It emphasizes direct and intensive contact with Japanese and aims to develop in students an understanding of Japan's culture, history, language and contemporary problems. The program carries credit equivalent to a full academic year's course work. About 20 students are admitted each year, with applicants from member institutions receiving priority. Further information can be obtained from the Dean of Students and from Professor R. A. Moore at Amherst College.

Warwick University in England also has an exchange agreement with the College, and a limited number of students participate in a one-semester program at the other institution every year. This program was devised primarily for those students interested in History. Those students interested in universities in other lands may enroll in overseas programs arranged by accredited United States colleges and universities or by approved institutes. They may also enroll directly in programs provided by the foreign institutions at which they intend to study. Such arrangements may be made with the assistance of appropriate faculty, and require the approval of the Dean of Students.

NATIONAL THEATRE INSTITUTE

Through a Twelve College Interchange arrangement, undergraduate participation in the program of the National Theatre Institute, Waterford, Conn., is possible. Further information is available in the Office of the Dean of Students.

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COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

Doshisha University

Located in Japan's ancient imperial capital, The Doshisha was founded by Joseph Hardy Neesima of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Neesima stowed away aboard a clipper ship from Japan while it was still officially "closed." From the China Coast he eventually arrived in 1865 aboard a ship owned by Alpheus Hardy, who was a trustee of both Phillips Academy, Andover, and Amherst College.

After graduating from both Andover and Amherst, Neesima returned to Japan to found a Christian college in Kyoto. From this modest start The Doshisha has developed into a university of 19,000 students, a separate (but adjacent) Women's College, three senior and three junior high schools and a kindergarten, with a total enrollment of approximately 30,000, on four different campuses. The Doshisha is one of the oldest and best known private educational institutions in Japan.

Over thirty Amherst graduates have taught at The Doshisha, and since 1922, except for the years 1941 to 1947, Amherst has maintained a resident instructor at Doshisha University.

Through the generosity of alumni and friends of the College, Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a memorial to Neesima and to Stewart Burton Nichols of the Class of 1922, the first student representative. It houses some twenty Doshisha students and serves as a center for cultural exchange between faculty and students from East and West. After the end of World War II, Amherst strengthened its representation with a full-time member of the faculty, Professor Otis Cary of the Class of 1943, who directs Amherst House, teaches in the Faculty of Letters in the University and serves in a number of other capacities. Since 1958, a graduating senior has been selected as the Amherst-Doshisha Fellow to live in Amherst House and teach English for one year.

In 1962, the College, thanks to further generosity of friends and alumni, built a guest house of modern Japanese design, which includes quarters for

the Director, well appointed guest suites, and dining facilities, to enhance the possibilities of exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto—for a thousand years the capital of Japan and still the center of traditional Japanese culture.

Otis Cary, M.A., *Director*

The Folger Shakespeare Library

THE FOLGER SHAKESPEARE LIBRARY in Washington, D.C., was established by the will of Henry Clay Folger, of the class of 1879. Mr. Folger's original collection, which remains the nucleus of the Library's holdings, emphasized Shakespeare, Shakespeare's contemporaries, and the history of Shakespeare production. Continuing acquisitions of books and manuscripts have increased the size of the collection many times over and broadened the scope of the Library to include every phase of Tudor and Stuart civilization. At present the Library is second only to the British Museum in its holdings of books printed in England between 1475 and 1640. Its holdings in the period from 1640 to 1715, in materials relating to the Continental Renaissance, and in such specialized areas as Renaissance musicology and drama are also extensive.

Facilities include reading room, stacks, offices, and service areas for such activities as ordering, cataloging, binding, and photoduplication. In addition, the Library has a public exhibit hall and a theatre embodying characteristics of an Elizabethan playhouse.

Mr. Folger intended his library to be an active educational center "for the promotion and diffusion of knowledge in regard to the history and writings of Shakespeare." The Library has sought continuously since its creation to enlarge its educational function. Its reading room is open to all qualified scholars. Through its photoduplication department and its travelling exhibits it provides services for scholars and school groups outside of the Washington area. A docent program offers tours and lectures to visiting school groups. The Folger Fellowship program offers senior, short-term, and dissertation year fellowships to both foreign and American scholars. Folger seminars are offered annually in cooperation with the consortium universities of the Washington area and are also open to qualified Amherst students. A program of lectures, concerts, and cultural events is held at the Folger theatre and open to the general public without charge. A repertory group produces four to five dramas each year in the theatre. A publication program further contributes to the Library's objective of "diffusing knowledge" of Shakespeare, of English culture, and of the Renaissance.

FOLGER LIBRARY OFFICERS

O. B. Hardison, Jr., PH.D., *Director*

Philip A. Knachel, PH.D., *Associate Director*

AMHERST COLLEGE

Richard J. Schoeck, PH.D., *Director of Research Activities*

James R. Elder, PH.D., *Development Officer*

Dorothy E. Mason, M.A., *Reference Librarian*

Lilly C. Stone, B.A., *Head Cataloguer and Curator (Printed Books)*

Sandra Powers, M.A., *Reading Room Supervisor*

Elizabeth Niemyer, M.A., *Acquisitions Librarian*

Admission

ADMISSION to Amherst is highly competitive, but there is no rigid formula for gaining admission to the College. In selecting a class, the Committee on Admission looks for a diversity of excellence, academic and otherwise. As applicants communicate to us their special qualities as students and persons, we urge that they exercise the same independence, self-awareness, and imagination we encourage in students at Amherst. In judging an applicant's qualifications, the Committee pays particular attention to (1) the quality of a student's academic program, (2) his academic performance, (3) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests or the American College Testing Program, (4) the recommendation of the secondary school counselor or principal, (5) evidence of curiosity and resolution, (6) the character and health of the applicant, and (7) the breadth and depth of his interests and achievements.

In compliance with the Fair Educational Practices Act of the Commonwealth of Massachusetts, the College requests that applicants *not* provide data on race, religion, and place of origin and that they *not* include a photograph. No student is denied admission to Amherst because of race, religion or place of origin.

HOW AND WHEN TO APPLY FOR ADMISSION

Applications should be filed in senior year between September 1 and February 1. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form. The deadline is November 1, and decisions will be mailed on or about December 15.

Beginning students usually enter in September.

Financial Aid applicants should refer to pages 53-56.

The formal application should be accompanied by a check or money order for \$20.00 made payable to *Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

ADMISSION

Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts 01002.

DEFERRED ADMISSION

All who are admitted as freshmen may, if they so desire, take a year off between secondary school and college and thereby defer their matriculation for one year.

PERSONAL INTERVIEW

Whenever possible, it is desirable that a candidate, especially those who live within 200 miles of the College, visit the campus for a personal interview with a member of the Admission Staff. Throughout the year the Office of Admission is open on weekdays from 8:30 a.m. until 12:00 noon and from 1:30 p.m. to 4:00 p.m. Between Labor Day and Christmas it is open on Saturday from 8:30 a.m. to 12:00 noon. Because of the large number of visitors, it is always advisable to write or telephone well in advance for a definite appointment. It would be helpful to the Admission Staff if applicants bring with them to their interviews unofficial copies of their high school or college transcripts. Seniors are urged to visit no later than March 1; juniors no earlier than May 1. Transfers are welcome at any time, but should plan to visit by May 1 if they are seeking admission the following fall.

During the month of March, personal interviews will be granted to transfers only. During the month of April, high school juniors are welcome to attend either of two daily information sessions at 10:30 a.m. and 2:30 p.m. conducted by members of the Admission Staff and students, but personal interviews for juniors will not be granted until May 1.

Because of the tremendous number of visitors during October and November, we find it necessary to conduct group interview sessions from Monday through Friday at 11:00 a.m. and 3:00 p.m. and on Saturday at 11:00 a.m. after our individual appointment calendars have been filled. In this way, no one will be denied an opportunity to meet with a member of the Admission Staff during this busy season of the year.

When a trip to Amherst is not feasible, a candidate should write to the Dean of Admission requesting an interview with a local alumnus in or near his home community. The candidate's opportunity for admission will not be prejudiced if circumstances are such that an interview cannot be arranged.

RECOMMENDED PREPARATION

The following minimum program of studies is recommended:

English 4 years

Mathematics 3 years (more if your academic interest is in

AMHERST COLLEGE

	mathematics or the sciences)
Foreign Language	2 years (3 or 4 years of one recommended, and preferably through the final year of secondary school)
History and Social Science	1 year (more if your academic interest is in these areas)
Laboratory Science	1 year (more if your academic interest is in the sciences)

A command of English, which includes perception and understanding in reading and clarity and facility in writing, is essential. Solid grounding in mathematics up to calculus contributes to precision in thought and enables the student to pursue a variety of subjects. Proficiency in a foreign language permits the proper study of other cultures which, in turn, gives added perspective to our own culture and language. Previous study of history, social science, and a laboratory science provides an introduction to the understanding of the past and to the methodology and findings of the chief mode of inquiry in the present-day world. With this background, an entering student will have the foundation he needs to pursue most productively the goals of the liberal arts: to gain a full understanding of himself, his fellow man and nature, and to live an imaginative, responsible, and humane life.

Occasionally a student who shows proof of exceptional ability and maturity may be admitted at the end of junior year without a high school diploma.

ADVANCED PLACEMENT

Candidates accepted for admission who have completed advanced work in secondary school may apply for advanced placement at Amherst. Each request is considered on individual merit and decisions are based on the teacher's recommendation, score on the College Board Advanced Placement Test, and the amount of material a student would have to repeat. Advanced placement enables qualified students to enroll in more advanced courses, but it does not provide college credit for courses completed in secondary school. The same holds true for individual college courses taken while a student is enrolled in high school. Questions on advanced placement should be directed to the Dean of Admission.

COLLEGE BOARD TESTS

All applicants for admission are required to take *either* the Scholastic Aptitude Test (SAT) and any three Achievement Tests of the College Entrance Examination Board, *or* the American College Testing Program (ACT) no later than January of senior year for the former and no later than December of senior year for the latter. Inasmuch as the registration deadline for both the CEEB and ACT tests is approximately one month

ADMISSION

prior to the test date, applicants should arrange to take these examinations as soon as possible with the Secretary of the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, Arkansas, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washington, Wyoming, Alaska, or Hawaii should register with the Secretary of the College Entrance Examination Board, Box 1025, Berkeley, California 94701. For information about ACT tests, write ACT, P.O. Box 168, Iowa City, Iowa 52240.

Applicants in military service whose location makes examinations impossible are exempt from CEEB tests.

Regents Examinations. Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

ADMISSION AS A TRANSFER

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank or two years in a junior or community college.
3. He must present a statement of honorable dismissal.
4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September. The deadline for applications is April 1, and decisions will be mailed on or about May 15.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given to graduates of junior or community colleges who have made distinguished academic records.

Financial aid is available for transfer students.

Correspondence concerning admission of transfers should be addressed to the Dean of Admission.

PART-TIME STUDY

All regular students at Amherst College pursue their studies on a full-time basis. However, the Faculty recognizes that the College and the community benefit from the presence of a limited number of part-time students at Amherst. Persons not regularly enrolled may take courses, receive grades, and secure transcripts of the record of their work. Applications for admission for part-time study are handled by the Admission Office. No part-time student may be admitted to a course without the consent of the instructor.

General Regulations

TERMS AND VACATIONS

The college year 1974-75 includes two regular semesters, the first with thirteen weeks and the second with fourteen weeks of classes. In the fall semester there is a Thanksgiving recess of one week. After the Christmas recess, there is a January Interterm of approximately four weeks. In the spring semester there is a vacation of one week.

All official college vacations and holidays are announced on the College Calendar appearing at the beginning of this catalog.

STUDENT CONDUCT

It is the belief of Amherst College that its students should be responsible for setting, maintaining, and supporting the moral and intellectual standards by which they live. Those standards are assumed to be ones which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory; in such cases fees are not refunded or remitted in whole or in part, and neither the College nor any of its officers consider themselves to be under any liability whatsoever for such exclusion.

Students are expected to conduct themselves in a manner consistent with the principles set forth in the following three statements. Failure to do so may in serious instances jeopardize the student's continued association with the College.

A. STATEMENT ON INTELLECTUAL RESPONSIBILITY AMONG STUDENTS AT AMHERST COLLEGE

Preamble

This Statement is an institutional expression of the basic fact that every person's education is the product of his own intellectual efforts. Amherst cannot educate one who will not educate himself. Amherst sees no value in making its facilities available to a student who avoids the responsibility and opportunity for his own education. Every student who enrolls and remains

GENERAL REGULATIONS

at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

Article I

The statement on Intellectual Responsibility will appear in the *Amherst College Catalog*, *Student Handbook*, and other publications deemed appropriate. The Preamble will also be printed on the back of enrollment cards for every course. The instructor in each course shall discuss the implications of the Statement on Intellectual Responsibility for the specific work of his or her course.

Article II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement on Intellectual Responsibility above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

Article III

The Judicial Board shall make provisions for explaining the Statement on Intellectual Responsibility to incoming students and to new members of the Faculty, and for publicizing and interpreting the Statement to the student body during the year. The Judicial Board will conduct any question relating to intellectual responsibility that may be brought before it and may also act upon its own motion.

B. STATEMENT ON FREEDOM OF EXPRESSION AND DISSENT

Amherst College prizes and defends freedom of speech and dissent. It affirms the right of teachers and students to teach and learn, free from coercive force and intimidation and subject only to the constraints of reasoned discourse and peaceful conduct. It also recognizes that such freedoms and rights entail responsibility for one's actions. Thus the College assures and protects the rights of its members to express their views so long as there is neither use nor threat of force nor interference with the rights of others to express their views. The College considers disruption of classes (whether, for example, by the abridgement of free expression in a class or by obstructing access to the place in which the class normally meets) or of other academic activity to be a serious offense that damages the integrity of an academic institution.

AMHERST COLLEGE

C. STATEMENT ON RESPECT FOR PERSONS

Respect for the rights, dignity and integrity of others is essential for the well-being of an academic community. Actions by any student which do not reflect such respect for others are damaging to each of us and hence damaging to Amherst College.

ATTENDANCE AT COLLEGE EXERCISES

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester, each instructor is free to state his policy with regard to absences in his course. Thereafter, he may take such action as he deems appropriate, or report to the Dean of Students the name of any student who disregards the regulations announced.

Students are asked to notify the office of the Dean of Students if they have been delayed at home by illness or family emergencies. They are also requested to report any unusual or unexplained absence from the College on the part of any fellow student.

If a student has been attended at home by a physician, he should, on the day of his return, report the absence to the Office of the Dean of Students and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at College will normally be attended at the Millikin Infirmary or will be referred to the University of Massachusetts Infirmary by the Staff Physician. It is assumed that all students not admitted to the Infirmary or excused by the attending physician are well enough to attend their regular classes.

The responsibility for any work missed due to an illness or other absence rests entirely upon the student.

Physical education courses are available to all Amherst College students and members of the College Community. The courses are elective and carry no academic credit; but a notation is entered on the transcript for successful completion of a course. A student may enroll in two courses per semester, and four within the academic year. Classes are offered on the same time schedule as all academic courses.

RECORDS AND REPORTS

Grades in courses are reported in three categories:

Honor Grades = A+, A, A-, B+, B, B-

Passing Grades = C+, C, C-, D.

Failing Grade = F.

Term averages and cumulative averages are reported on a 14-point scale rounded to the nearer whole number. The conversion equivalents are: A+ = 14, A = 13, A- = 12; B+ = 11, B = 10, B- = 9; C+ = 8, C = 7, C- = 6; D = 4; F = 1.

GENERAL REGULATIONS

Grade reports for D and F grades only will be sent to students after the end of the seventh week of classes each semester. Two reports of all grades and averages will be sent to each student at the end of each semester.

The academic records and averages of Amherst College students completing Five-College interchange courses at Hampshire College, Mount Holyoke College, Smith College and the University of Massachusetts will include these courses and grades; no separate transcripts are maintained at the other institutions for Amherst College students.

"Rank in class" will not be used, but transcripts and grade reports will be accompanied by a profile showing the distribution of cumulative averages for students of the same class level in the current and in the previous two years.

Student academic records are maintained by the Registrar's Office and are confidential; information is released only at the request of the student. Students are advised, however, that their freshman records may be made available to their secondary schools. Partial transcripts are not issued; each transcript must include the student's complete record at Amherst College to date. An official transcript carries an authorized signature as well as the embossed seal of Amherst College.

Transcripts of credit earned at other institutions, which have been presented to Amherst College for admission or transfer of credit, become a part of the student's permanent record and are not issued, reissued or copied for distribution. With the exception of Five-College Interchange courses, grades for courses that were transferred from other institutions are not recorded; credit only is listed on the Amherst transcript. Transcripts for all academic work at other institutions of higher education should be requested directly from those institutions, including summer schools.

EXAMINATIONS

Examinations are held at the end of each semester and at intervals in the year in all courses. At the end of each semester, final grades are reported and the record for the semester is closed. No extension of time is allowed for intra-term examinations and incomplete laboratory work beyond the date of the last scheduled class period of the semester, unless exception is granted by the instructor and the Dean of Students.

A student who is prevented by illness from attending a semester examination may be granted the privilege of a special examination by the instructor and the Dean of Students, who will arrange the date of the examination with the instructor. There are no second or make-up semester examinations, unless a student is prevented by illness from taking such an examinaiaon at the scheduled time.

A semester examination may be postponed only by approval of the instructor and the Dean of Students.

AMHERST COLLEGE DELINQUENCIES

At the midpoint and end of each semester, the cases of all students whose work is unsatisfactory are brought before the Deans for consideration. Those who have clearly shown their unfitness for college work are dismissed from the College. Others whose records are unsatisfactory are placed on scholastic probation.

Students belonging to one or more of the following groups may not expect to continue at Amherst College:

- a. Those who in any semester are failing in two or more courses. Withdrawal from a course while failing it shall count as a failure.*
- b. Those who in any semester fail a course and receive an average of less than 7 in courses passed.*
- c. Those who in any semester pass all courses but receive an average of less than 6.
- d. Those who have been in Amherst three or more semesters and have an average of less than 6 in all courses taken at the College.
- e. Those who have accumulated delinquencies in three or more courses during their college careers.
- f. Those who have been on probation and have failed to meet the conditions of their probation.

The College does not grant credit for summer school courses completed with a grade below C.

Summer School courses may only be taken for *credit* if the credit is required to make up a delinquency incurred at Amherst College. Such courses require approval in advance by the Dean of Students.

Summer School courses for *record* (and taken for credit) may be noted on the Amherst College transcript if the student so wishes if approved in advance by the Dean of Students.

*c.f. Degree Requirements, page 58, section 1.

ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

GENERAL REGULATIONS

A complete description of the regulations of Amherst College on such matters as the Judicial System by which charges brought against students are considered, Dormitories, Motor Vehicles, Student Health, Eligibility Rules for participation in extracurricular activities, and other areas of student life are contained in the Student Handbook.

Tuition and Fees

A CANDIDATE'S formal application for admission should be accompanied by a \$20 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on his first term bill.

Comprehensive Fee (Tuition, Room, Board)	\$4,525
Student Activities Fee	70
Blue Cross-Blue Shield Student Health Plan	55
	<hr/>
	\$4,650

The first semester bill in the amount of \$2,387.50 is mailed to all students in August and is due and payable on or before August 30, 1974. The second semester bill totaling \$2,262.50 is mailed approximately January 1, 1975 and is due and payable on or before January 10, 1975. All college scholarships, Insured Tuition Plan payments, and any other cash payments received prior to mailing will appear as credits on the bill.

Student identification cards will be issued by the Comptroller's Office upon payment of the College bill. These cards must be obtained before course cards may be picked up.

The fee for the support of various activities of the student body for 1974-75 is determined by the Student Allocation Committee. The \$70 fee (included in the first semester bill) is turned over to the Director of Student Activities for controlled expenditure through the Student Allocation Committee. This fee provides a student with a copy of the yearbook, *The Olio*, and a one-year subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine*. The fee also contributes to the support of the Masquers, the Film Society, The Seventy Players, the radio station, and includes tutorial and hospital service commitments as part of the more than forty organizations which make up student activities.

The charge of \$55 appears on the comprehensive bill for twelve months Accident and Sickness Insurance for the period September 1, 1974 through August 31, 1975. Details concerning the Student Health Services and the Blue Cross-Blue Shield Student Health Plan appear in the Amherst College Student Handbook.

Each new student, or former student re-entering, is charged a \$35 guarantee deposit, which is refundable after he graduates or otherwise leaves college, less any unpaid charges against his account.

TUITION AND FEES

Miscellaneous charges such as fees for late registration, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

Payment Plans

For those who wish the convenience of monthly payments, arrangements have been made for both a pre-payment plan and loan plan, including insurance for continued payment in case of death or disability of the parent. For further details write to: The Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

Tuition Changes

Despite every effort to maintain College fees at the lowest possible level, it has been necessary to increase the tuition fee at Amherst in each of the past six years. Therefore, students and their parents are advised that such increases may well be necessary in subsequent years. The College attempts to notify students of tuition changes at least twelve months in advance. Financial aid awards will be based on the schedule of fees in effect during the year of the award. Students who may require financial aid as the result of tuition changes are eligible to make application whenever necessary.

Refund Policy

In case of withdrawal before the opening day of a semester, all charges will be canceled.

Refund of payment for or credit on student accounts in the event of withdrawal are as follows:

TUITION

Period of attendance calculated from day of first scheduled classes:

Prior to first day—100%	\$1,712.50
1 day to 2 weeks—80%	1,370.00
2 weeks to 3 weeks—60%	1,027.50
3 weeks to 4 weeks—40%	685.00
4 weeks to 5 weeks—20%	342.50
5 weeks or more	no refund

ROOM & BOARD

Refund shall be made on a formula basis for any student who withdraws voluntarily or who is dismissed from the college during a semester.

SCHOLARSHIP GRANTS

Scholarship grants are canceled in full when determining cash refunds.

The officer having general supervision of the collection of tuition and fees is the Comptroller.

Financial Aid

IN a sense, every student at Amherst College is on scholarship. Beginning in September, 1974, the comprehensive charge for tuition, room, board and fees will be \$4,525 and yet the education of each student costs the College more than \$9,400 per year. General endowment income, gifts and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years, alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship and loan assistance to worthy students. These funds now amount to more than \$6,000,000. Some, such as those designated for candidates for the ministry or for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Several Amherst Alumni Associations also provide special regional scholarships to students from their areas; such awards are currently sponsored by the Boston, Connecticut, Minnesota, New York City, Northern Ohio, St. Louis, Southern California, Washington (D.C.) and Wisconsin Associations. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the Edwin Gould Foundation for Children, the Gilbert H. Grosvenor Memorial Fund, the Agnes M. Lindsay Trust, and the Charles C. Patrick Memorial Fund. The College also participates in the College Work-Study, the Supplementary Educational Opportunity Grant and the National Direct Student Loan programs of the federal government.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from \$100 to \$5,000.

The officer directly in charge of the administration of financial aid is Dean Routh.

FINANCIAL AID

FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid only in cases of demonstrated financial need, but a student's character and academic performance and promise are important factors. A student's financial need is calculated by subtracting from his probable college-year expenses the amount which he and his family may reasonably be expected to supply. His college-year expenses include tuition, room, board, fees, transportation and a sum of \$700 for books and personal expenses. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The College assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year.

Financial aid awards are generally a combination of scholarship grant and self-help opportunities. Under normal circumstances, after allowance has been made for the family contribution and the student contribution from savings and summer employment, the initial \$1200-1600 of the applicant's demonstrated need will be met with a combination of college-year employment and long-term, moderate-interest loan and he may expect to receive gift aid to cover the balance of his need. These loans require no payment of interest or principal before graduation from Amherst or graduate school, or until completion of military, Peace Corps or VISTA service, whichever is latest. Thereafter, the loans are repayable on a monthly or quarterly basis within a ten-year period at a moderate rate of simple interest.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summer-time opportunities or who find it difficult to undertake campus employment may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the overall performance of the student. Recipients of national scholarships and outside foundation awards are often subject to a modification of the loan portion.

APPLYING FOR FINANCIAL AID

Financial aid candidates should file applications for financial aid at the same time they file their applications for admission. Applications must be received by the Admission Office before February 1 to be considered. An application for financial aid requires the submission of two forms: (1) a Parents' Confidential Statement, to be completed by the candidate's parents; and (2) an Amherst College Financial Aid Application, to be completed by the candidate. The Parents' Confidential Statement may be obtained from any secondary school guidance counselor; parents should send the completed

AMHERST COLLEGE

form to the College Scholarship Service which will process it and forward the results to Amherst College for evaluation and final decision. Amherst College Financial Aid Applications may be obtained from the Admission Office as part of the application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 20. Renewal forms may be obtained in the Financial Aid Office and should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

WILLIAM M. PREST BEQUEST

The Faculty of Amherst College, at its meeting of February 29, 1972, passed by unanimous vote a resolution that:

... until such time as it votes to the contrary, the income and a portion of the principal of the Bequest of William M. Prest, Class of 1888, will be used to initiate new approaches to the problem of providing appropriate forms of financial assistance to Amherst College students.

The William M. Prest Bequest presently has a value of \$735,000 and an annual income of approximately \$36,000. First claim on the Prest funds goes to transfer students at Amherst, with special consideration to graduates of junior and community colleges. The balance of the income—and up to five percent of the principal—has been used to inaugurate the William M. Prest Loan Fund, a program of long-term loans at a moderate rate of interest with a graduated repayment schedule to reflect more accurately the earnings expectation of college graduates.

Although a regular financial aid application is required from candidates for Prest Loans, they are awarded on a less stringent basis than are the regular financial aid funds of the College. The actual demand and priority for such loans will have to be determined by experience but it is anticipated that as much as \$40,000 in Prest Loans will be advanced in 1974-75.

STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to students who require funds to meet personal emergencies or other needs for which financial aid funds may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical. The rate of interest is slightly higher and the repayment period

FINANCIAL AID

shorter than for scholarship loans, but complete scholarship application procedure is not required. The New England Society's Student Loaning Fund (for New England residents) and the Morris Morgenstern Student Loan Fund provide special interest-free loans on the same short-term basis as other student loans.

ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College*, is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to Dean Routh.

Degree Requirements

BACHELOR OF ARTS

THE degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete thirty-two full semester courses, except that a student who has dropped a course without penalty during his freshman year, or who has failed a course during either his freshman year or his sophomore year, shall be allowed to graduate provided he has satisfactorily completed thirty-one full courses.

A transfer student must complete a minimum of sixteen Amherst College courses to graduate.

2. Complete eight semesters of residence at the College. Part of the semesters' residence requirement may be met by residence for an equivalent period at another institution approved by the Dean of Students.

Transfer students must complete four semesters of residence at the College.

3. Complete the requirements for a major in a department or a group of departments including a satisfactory performance in the comprehensive evaluation.

4. Attain a general average of 6 in the courses completed at Amherst and a grade of at least 70 or C in every course completed at another institution for transfer credit to Amherst.

DEGREE REQUIREMENTS

COURSE REQUIREMENTS

All students except Independent Scholars are required to elect four full courses each semester and may elect an additional half course. The election of a half course in addition to the normal program is at the discretion of the student and without special permission. A student may not elect more than one half course in any semester except by consent of the Dean of Students and the departments concerned. In such cases the student's program will be three full courses and two half courses. Half courses are not normally included in the thirty-two-course requirement for graduation.

In exceptional cases a student may, with the permission of both his academic advisor and the Dean of Students, take five full courses for credit during a given semester. Such permission is normally granted only to students of demonstrated superior academic ability, responsibility and will.

Any student who has failed a course will be able to take a fifth course in a given semester if, in the judgment of the Dean of Students and his advisor, this additional work can be undertaken without prejudice to his regular program.

Students who prefer to make up a failed course at another approved institution in the summer may do so.

A student may not add a course to his program after the fourteenth calendar day of the semester.

A freshman may, with the approval of the Dean of Students, drop one course during his first year without receiving a failing grade. He may drop the course either in the first or the second semester any time within the first eight weeks. Other exceptions to this rule shall be made only for medical reasons, or reasons of grave personal emergency, and shall be made only by the Dean of Students.

THE MAJOR REQUIREMENT

A major normally consists of eight courses pursued under the direction of a department or special group. A major may begin in either the freshman or sophomore year and is normally declared by the beginning of the junior year. Students may change their major at any time provided that they will be able to complete the new program before graduation.

The major program can be devised in accordance with either of two plans:

DEPARTMENTAL MAJORS

A student may complete the eight-course requirement within one department. He must complete at least six courses within one department, however, in which case he may take the remaining two courses in related fields approved by the department.

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INTERDEPARTMENTAL MAJORS

Students with special needs who desire to construct an interdepartmental major will submit a proposed program, preferably with the endorsement of one or more professors from each of the departments concerned, to the Committee on Interdisciplinary and Special Studies. Such a program is normally composed of courses available in the existing departments and is not to be confused with the Independent Study program. If the CISS approves the proposal, it will appoint an ad hoc committee which will have all further responsibility for approving modifications in this program, selecting an advisor, administering an appropriate comprehensive examination, and making recommendations for graduation with honors.

A part of the major requirement in every department is an evaluation of the student's comprehension in his major field of study. This evaluation may be based on a special written examination or upon any other performance deemed appropriate by each department. The mode of the evaluation need not be the same for all the majors within a department, and, indeed, may be designed individually to test the skills each student has developed.

The evaluation should be completed by the seventh week of the second semester of the senior year. Any student whose comprehension is judged to be inadequate by his department will have two opportunities for re-evaluation: one not later than the last day of classes of the second semester of the senior year, and the other during the next college year.

DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 9 (B—) to be eligible to be considered for the degree *cum laude*, of 11 (B+) for the degree *magna cum laude*, and of 12 (A—) for the degree *summa cum laude*. (2) Candidates must receive the recommendations for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be its practice to make recommendations to the Faculty. (3) Candidates for the degree *magna cum laude* or *summa cum laude* will have their entire records reviewed by the Dean of the Faculty and the Committee of Six, who

DEGREE REQUIREMENTS

will transmit their recommendations to the Faculty. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

The minimum average required for a student to be accepted by a department as a candidate for honors is determined by the department concerned.

Students in the Independent Study Program may become candidates for the degree with honors. Recommendations for such students will be made by the student's tutor together with those members of his committee who have joined in assigning him his comprehensive grade in the program.

INDEPENDENT STUDY

A limited number of students who elect to do so may participate in an independent study program, usually in the junior or senior years. Participants are chosen by the four-member Faculty Committee on Independent Study, which includes the Dean of the Faculty, after nomination for the program by a member of the Faculty. Independent Scholars are free to plan a personal program of study under the direction of a tutor, chosen by the student with the advice and consent of the Committee. The tutor provides the guidance and counsel necessary to help the student attain the educational objectives he has set for himself. The tutor and one or more other members of the Faculty familiar with the student's work will ultimately assign a comprehensive grade and provide a detailed, written evaluation of the student's performance which will become part of his formal record at Amherst College. Grades in such regular courses as the student may elect will be taken into account in assigning the comprehensive grade, and the student is eligible for a degree with honors, as well as all other awards and distinctions.

FIELD STUDY

The Faculty has instituted a program of field study under which a student may pursue a course of study away from Amherst for either one or two semesters. A student is admitted to the program by the Faculty Committee on Field Study after approval of his written proposal, and is assigned a Field Study Advisor chosen from the Faculty.

Upon being admitted to Field Study, a student becomes a candidate for the degree of Bachelor of Arts with Field Study, which is normally attained in four and one half or five years. During his first semester in residence at Amherst after his period of Field Study, a student must take a Special Topics course, normally with his Field Study Advisor, in which he draws

AMHERST COLLEGE

on both his experience of Field Study and further investigation relating to it. A student may also pursue a related Special Topics course in the semester before he enters his program of Field Study.

A student pursuing a two-semester plan of Field Study will be allowed to continue after the first semester only upon providing evidence to the Faculty Committee on Field Study that he is satisfactorily carrying out his program. No student shall begin his study in the field later than the first semester of his senior year.

A student pursuing Field Study shall maintain himself financially in the field, and during the period shall pay a Field Study fee to the College in lieu of tuition.

The transcript of a student who has undertaken Field Study shall include a short description and appraisal by his Field Advisor of the student's project and of the related Special Topics course.

ADVANCED PLACEMENT

In cases where a student's Advanced Placement curriculum, scores, and academic record indicate that an Amherst course will be largely repetitive, a student may apply for an advanced course. Approval for the advanced course is granted after a conference with the professor who will teach the higher-level offering. Amherst credit is not granted for Advanced Placement work.

Questions about Advanced Placement should be directed to the Dean of Admission. For further information, candidates should consult the Advanced Placement booklet in their secondary school guidance office.

EARLY GRADUATION

In cases judged exceptional by comparison with precedent and by a thorough evaluation of the quality of a student's achievement, and with the approval of the Committee of Six after approval by the student's department, the Faculty may grant a Bachelor of Arts degree to a student who has not satisfied the normal requirements of eight semesters enrollment and credit for thirty-two courses taken at Amherst or an approved institution. Early graduation requires a superior level of academic achievement and is granted infrequently. Under no circumstances will applications for early graduation be considered for students who have been enrolled for less than six semesters and have received credit for fewer than twenty-four courses. Summer school courses not taken as make-up courses or recognized as part of a transfer record will not be credited in an application for early graduation.

FIVE COLLEGE COURSES

Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts have for some time combined their academic activities in

DEGREE REQUIREMENTS

selected areas for the purpose of extending and enriching their collective educational resources. Certain specialized courses not ordinarily available at the undergraduate level are operated jointly and open to all. In addition, a student in good standing at any of the five institutions may take a course, without cost to the student, at any of the other four if the course is significantly different from any offered on his own campus and he has the necessary qualifications.

The course must have a bearing on the educational plan arranged by the student and his adviser. Approvals of the student's adviser and the Academic Dean of the College (Provost at the University) at the home institution are required. Permission of the instructor is required for students from other campuses if permission is required for students of the institution at which the course is offered.

Students should apply for interchange courses at least six weeks prior to the beginning of the semester since they may find some courses already filled after that time. Free bus transportation among the five institutions is available for interchange students.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

ACADEMIC CREDIT FROM OTHER INSTITUTIONS

Amherst College does not grant academic credit for work completed at other institutions of higher education unless it meets one of the following criteria: (1) each course offered as part of a transfer record has been completed and accepted by the College prior to matriculation at Amherst; (2) the work is part of an exchange program of study in the United States or abroad approved in advance by the Dean of Students; or (3) the work has been approved by the Dean of Students as appropriate to make up a deficiency deriving from work not completed or failed at Amherst College (see Delinquencies).

COOPERATIVE DOCTOR OF PHILOSOPHY

A COOPERATIVE Doctor of Philosophy program has been established by Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much—and in a few exceptional cases even all—of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of the Faculty of Amherst College and by the Amherst Faculty Committee of Six.

III

COURSES OF INSTRUCTION



*Johnson
Chapel*

Courses of Instruction

COURSES are open to all students, subject only to the restrictions specified in the individual descriptions. Courses listed as elective for a particular class may be elected by members of that class and higher classes. In general all courses numbered 1 to 9 are introductory language courses. Introductory courses in other areas are numbered 11 to 20, senior honors courses, usually open only to candidates for the degree with honors, are numbered 77 and 78, and special topics courses are numbered 97 and 98. All courses, unless otherwise marked, are full courses. The course numbers of double courses and half courses are preceded by D or H. All odd-numbered courses are offered in the first semester, unless followed by the designation s, and all even-numbered courses are offered in the second semester unless followed by the designation f (with the exception of the Freshman Seminars below, which are listed sequentially).

SPECIAL TOPICS COURSES

Departments may offer a semester course known as Special Topics in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. All students must obtain final approval of the Department before registration. Two Special Topics courses may not be taken concurrently except with the prior approval of the Dean of Students.

FRESHMAN SEMINARS

Designed especially for first-semester freshmen, these courses share a common purpose and a common style. An upperclassman, usually a senior, will normally participate with the instructor in the planning and teaching of each seminar. The subject matter of each seminar as described below serves as an initial starting point, as a focus of interest. Thereafter, the direction taken by each seminar will depend to an unusual degree upon all the participants.

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Emphasis will fall as much upon questions concerning the value and responsibility of knowing as upon a specific subject or discipline. What matters is the quality of talk, sustained by qualities of mind.

First semester. Two seminar meetings per week.

1. The Scientist: A Personal and Social View. The seminar will begin with two works, by Newton and Mendel, which although of major importance are readily accessible to students with no prior training in science. These papers should permit us to define what a scientist is by focusing on what he does at his best. From this point, the seminar will examine the tension between the view a scientist has of himself and of his role in society and the view society has of him and that role. A comparison of literary accounts, such as Brecht's play *Galileo* with biographical accounts, such as Watson's the *Double Helix*, should provide material for discussion of such important questions as the social responsibility of scientists, the uses and limitations of free inquiry, and the contradictions that arise in the life of a scientist attempting to reconcile his personal beliefs with the requirements of his intellectual activity.

Professor Yost and Mark Keroack '76.

2. Tradition and Change. This seminar will consider the special qualities of thought, literature and political institutions which emerge when cultural demarcations are transgressed and new societies are formed. Discussion will begin with the writings of Franz Fanon, Aimé Césaire, Eric Williams, Cabrera Infante and others who have concerned themselves with the Caribbean. Students whose personal experience has been a part of Puerto Rican, Chicano or Black culture will be encouraged to explore their relationship with American society and education.

Prof. Kent and Leslie Purificacion '76

3. First Person Singular and the Experience of the Self. What is there in the self to write about? How do you write about yourself when using the first person singular? What are the stories of the self? Why write about your life? What do you read about in a story of a life written by the self that has lived it? Who is that self that is writing? And how do you come to terms with him? Is he writing for you? These are some of the questions our seminar will be asking. Since the college experience comprises a number of hours spent reading about other peoples' experience and pondering on one's own, we will examine what relations there might be between the territory of experience and the chart on the written page. The various masks of the autobiographer will serve as an introduction to the image of experience (theirs and ours) in its duration, and its intensity.

Readings in Rousseau, de Quincey, Chateaubriand. Lillian Hellman, Gorki, John Cowper Powys, Sartre, Violette Leduc, Harding Lemay; and, some suggested by students. Some experimentation in the biography of one's own self may be attempted.

Professor Pini and Paul Smith '76.

FRESHMAN SEMINARS

4. Identity and the American Dream. Beginning with two contemporary assessments, Philip Slater's *The Pursuit of Loneliness* and Richard Sennett's and Jonathan Cobb's, *The Hidden Injuries of Class*, we will explore the ways in which our society shapes our lives. How is character formed? How do we arrive at expectations for ourselves? How does social structure determine how we come to feel about ourselves—our self-worth, our identity? The intersection of culture, social structure, and the individual shall be our focus, exploring the shape of success and failure, aspiration and resignation, activism and passivity as these are embodied in one's personal life.

Professor Dizard and Matthew Cohen '76E.

5. The Politics and Morality of Revolution. Two kinds of questions will be investigated: Why have revolutions occurred in the past? How have they occurred? Have revolutionary politics been successful or not? That is, what has changed in the course of a given revolution, and has it been for the better?

What is the nature of the "revolutionary mentality?" When is it justified to seek revolution? Is it man's fate to permanently revolutionize his condition? If we are *not* revolutionaries, have we betrayed the human goal of self and collective liberation?

Professor Tiersky and Mason Slaine '75.

6. The Bill of Rights. This course will concentrate on the Bill of Rights, not from the historical or legal point of view, but from the cultural and sociological. It will examine contemporary attitudes towards and controversies over freedom of speech and of the press, censorship, academic freedom, due process of law, crimes and punishment, the nature of equality, the relations of Church and State and of the military and civilian authority, separation of powers and judicial review.

Professor Commager and Malcolm De Bevoise '75.

7. Autobiography and Religious Symbol. What is the significance of the symbolic images that men create to tell themselves, and others, about themselves? Why, and how, do some persons employ religious images in their attempts to understand and express themselves, while others struggle to be free from what appears to them to be the restrictions of such language? What does it mean to appropriate or reject the myths and symbols of one's culture in the desire to order one's experience of the world and discern the meaning of selfhood? These will be the questions with which our discussions will begin as we read a variety of autobiographical writings. The inquiry will also ask the student to reflect upon the symbols that he employs in his attempt to know himself.

Professor Pemberton and Jonathan Scheff '75.

8. Solar Energy. The daily supply of energy which the earth receives from the sun is many thousands of times greater than the present energy needs

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of mankind. If this is so, why are we in the midst of an "energy crisis?" What are the problems involved in the utilization of solar energy? Is there a possibility that these problems can be overcome? What, in fact, is "solar energy?" In this seminar we shall confront, and occasionally find answers to, these and a variety of other questions pertaining to the effective utilization of the sun's radiation. Of necessity we shall focus upon scientific, technological, and economic problems. However, because man's need for energy influences all aspects of his life, we shall also try to examine how both our society and our attitudes are affected by the nature and extent of the energy resources available to us.

Professor Gordon and Mark Hudak '75.

9. No Man is an Island. With Bronislaw Malinowski's *Argonauts of the Western Pacific* as its point of departure, this seminar will focus on the efforts of the individual to experience a culture not his/her own. The students will immerse themselves in the culture of the Trobriand Islands of Melanesia through the works of Malinowski in an effort to determine the meaning of culture, values, and the relation of the individual to society. In the process of observing the anthropologist at work and at his/her attempts to discover culture, we will begin to discover our own. The works of other anthropologists, such as Claude Lévi-Strauss, will be included.

Professor L. Beck and Roger Beatty '75.

10. The Philosophy of Education. Our main concern will be with philosophical issues in education. We will work out some distinctions between education and other kinds of learning activities (e.g., training) and we will make an effort to understand some of the differences between, for example, imparting information, indoctrinating and teaching.

After some preliminary readings in Plato, Rousseau and Dewey, we will select a manageable set of issues for further study, e.g., the content of education, the justification of education, the ethical, social and psychological presuppositions (and implications) of selected theories of education.

As the semester progresses, students will incur increasing responsibility for the structure and specific content of the course.

Professor Kearns and Adam Henschel '76.

11. Preference. Study of the formation of individual taste. Materials considered will include poetry, the popular arts, and selected works in public affairs appearing during the fall, 1974 publishing season. The aim is the development of self-awareness through scrutiny of personal responses to contemporary culture. The assumption is that what I am and what I like are interdependent.

Professor DeMott and Kemp Roelofs '75.

12. Life's Turning Points. We will begin with Erik Erikson's book, *Gandhi's Truth*. Is it possible for one to know another's motives? What gives truth

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its persuasive force: rationality? commitment? non-violence? love? We will use Gandhi's *Autobiography*, his letters, and other biographies to examine the intersection of an individual's life with the history of his or her society. Can one sense the truth in the moment of experience or perceive it only in retrospect? Do law and morality transcend culture? How is Gandhi's claim to truth different from that of others: Tolstoy, Marx, DeGaulle, Nkrumah?

Professor Gifford and John Greenman '76.

13. War and Peace. Why do men and nations fight? How do the social states of war and peace define each other? How are individuals and nations transformed by the experience of organized violence? How do historians and artists tell us about war and peace, and why? We begin by discussing theological, moral, and sociological perspectives on war found in the Bible, the Bhagavad Gita, and in a number of modern theorists (we will use the reader *War*, edited by Bramson and Goethals); then we dwell on the phenomena of war and peace in four cultures, through close reading of Thucydides, *The Peloponnesian War*; Tolstoi, *War and Peace*; Sartre, *Roads to Freedom*; and Norman Mailer, *Why are We in Vietnam?* and *The Armies of the Night*. We will see a number of films, including *The Grand Illusion*, *The Battle of Algiers*, and films of American soldiers discussing their experiences in the Indochina War, and look at paintings by Goya and Picasso. Throughout, we will ask: is there an end to war?

Omitted 1974-75. Professor Ratté.

14. The Promise of Equality in American Life. The philosophy and law of equality and equal protection in the American culture. It will be the aim of the discourse to enable students to identify their own social and moral boundaries in three areas of everyday life where the promise of equality is yet to be fulfilled: sex, class, and race. There will be appropriate readings and short papers on various aspects of discrimination in American life but the unmovable center of the course will be the individual student and his personal resolution of the ethical and policy issues at stake in the problem of social inequality.

Professor Latham and Frederick J. Sperling '75.

AMERICAN STUDIES

Professors Greenet, Guttman, Hawkins, Marx*, and Ward; Associate Professors Dizard and Levin (Chairman); Assistant Professors Buff, O'Connell, E. Ryerson*, and Wills; Dean Behnke.

*On leave 1974-75.

†On leave first semester 1974-75.

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A student who chooses to concentrate in American Studies makes a commitment to study American culture and society from as many perspectives as possible. Institutions, ideas, artifacts, literature, politics, ethnic and racial groups, everyday life and the relationship among these will be among the subjects of study. The student should finish a course of study with an awareness of a personal and historical connection to those peoples and forces which constitute American culture and society. No single discipline can comprehend the subject. Work in European, American and Afro-American history, in social theory and sociology, philosophy and religion, political institutions and theory, economics, in literature, music, art, and architecture are possible approaches to the subject. Each student, on the basis of personal and intellectual interests, will define a coherent program of study drawing on at least some of these disciplines.

Major Program. The Department of American Studies assists the student in this work through the following requirements and advising program.

Requirements: A student concentrating in American Studies will take both terms of American Studies 11 and 12—the introductory courses—usually by the end of the sophomore year; American Studies 68, the junior seminar; and in the senior year, American Studies 77 and 78 as a part of the work in writing an original inter-disciplinary essay on an aspect of American experience. In exceptional cases with the approval of the Department, American Studies 78 may become a double course.

The student will also take seven courses about American culture and society selected from various disciplines. The course program should normally emphasize the study of history and literature (three courses in one field and two in the other). The two remaining courses should be selected from another discipline or from two related disciplines. One might, for instance, take two courses in economics or one each in American music and art, or one each in political and social theory. Each student may, however, with the approval of the Department work out any combination of seven courses about America which constitute a coherent course of study.

Each student will submit an interdisciplinary honors essay to the Department near the end of second semester of the senior year and meet with the advisor and two readers to discuss it. The quality of the essay will be the primary factor in recommending honors.

Advising: Because each student develops an individual program of study in American Studies, it will be necessary to consult regularly with a departmental advisor. The student and the advisor will work together during the junior year on the student's program of study. The purpose of this advising relationship is the creation of a context where a greater consciousness and definition of the student's educational interests and goals may be achieved.

Honors Program. All students majoring in American Studies must complete the requirements for honors as outlined above.

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Evaluation. There is no single moment of comprehensive evaluation in the American Studies major. The Department believes that a student's fulfillment of the American Studies course requirements, combined with a cumulative student-advisor relationship culminating in a senior essay, provides for a range of performance in the field of American Studies sufficiently sustained to enable the Department to evaluate each student's achievement in the field.

11. American Studies. A study of America in the period 1840–1880. This course will consider the political and social origins of the Civil War; the military history of the Civil War; the impact of the Civil War on the efforts of post-Civil War Americans to reconstitute the nation in a context of sectional conflict, racial tension and industrial development. Materials will include literary and historical sources.

Elective for Freshmen. First Semester. The Department. Because the course topic changes annually, students may elect American Studies 11 twice for credit.

12. American Studies. A study of social mobility and the extent to which the dream of success has been realized in 19th and 20th century America. The course will consider general questions regarding changing patterns of wealth and power, the particular mobility experience of selected minority groups, and the significance of some of the more unconventional avenues of mobility, e.g., crime, sports and the world of entertainment, as well as exploring comparisons of American mobility patterns to those of other societies. Materials will include historical and sociological analyses together with major literature and popular writings.

Elective for Freshmen. Second Semester. The Department. Because the course topic changes annually, students may elect American Studies 12 twice for credit.

The Roots of Modern America, 1860–1919. See History 55.

First semester. Professor Weinstein.

Seminar in Southern History. See History 57.

Limited to fifteen students. To alternate with History 67. Second semester. Omitted 1974–75. Professor Hawkins.

The Progressive Generation. See History 58.

Second semester. Professor Greene.

American Diplomatic History I. See History 61.

First semester. Omitted 1974–75. Professor Levin.

American Diplomatic History II. See History 62.

Second semester. Professor Levin.

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American Intellectual History. See History 63.

Limited to eighteen students with preference to Seniors. First semester. Professor Commager.

Community and Individualism in Early America. See History 65.

First semester. Omitted 1974-75. Professor Greene.

Seminar in Educational History. See History 66f.

Limited to fifteen students. First semester. Professor Hawkins.

Race in American History. See History 67s.

Limited to twenty-five students. To alternate with History 57 (57s). Second semester. Professor Hawkins.

American Constitutional History. See History 84.

Second semester. Professor Latham. Omitted 1974-75.

The Literature of Social Criticism and Prophecy. See English 25(3).

Limited to twenty students. First semester. Professor O'Connell.

American Puritanism. See English 61.

Elective for Sophomores. Omitted 1974-75.

American Renaissance. See English 65.

Elective for Sophomores. First semester. Professor Guttman.

Visionary Writers in America. See English 63.

Elective for Sophomores. First semester. Omitted 1974-75. Professor Peterson.

Realism and Naturalism in American Literature. See English 64.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor O'Connell.

American Literature. Cosmopolitans and Provincials. See English 62.

Elective for Sophomores. Second semester. Professor Guttman.

Race and Ethnicity in American Literature. See English 66.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor Guttman.

American Culture in Depression and War. See English 69s.

Elective for Sophomores. Second semester. Professor O'Connell.

Human Resources. See Economics 21s.

Requisite: Economics 11. Limited to twenty-five students. Second semester. Professor Bourdon.

The American Economy. See Economics 24.

Requisite: Economics 11. Second semester. Professor Nelson.

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American Economic History. See Economics 28.

Requisite: Economics 11. Second Semester. Omitted 1974–75.

Museum Seminar: American Art. See Fine Arts 46.

Requisite: Art 11 or 11s, or permission of the instructor. Limited to twelve students. Second semester. Mr. Shepard.

Topics in Philosophy. See Philosophy 21.

In 1974–75, the Topic will be Pragmatism. Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. First semester. Professor Epstein.

American Government. See Political Science 21s.

Second semester. Professor Arkes.

Law, Politics and Society. See Political Science 22f.

First semester. Professor Sarat.

Political Obligations. See Political Science 23.

First semester. Professor Arkes.

Politics and Parties. See Political Science 31.

First semester. Professor Arkes.

The American Constitution. See Political Science 41.

First semester. Professor Latham.

Judicial Process and Policy Making. See Political Science 42.

Second semester. Professor Sarat.

American Political Thought. See Political Science 48.

Second semester. Omitted 1974–75. Professor Kateb.

Religion in America. See Religion 34.

Elective for Sophomores. Second semester. Professor Wills.

Black Religion from Slavery to the Present. See Religion 37.

First semester. Professor Wills.

American Social Structure. See Sociology 12.

Elective for Freshmen. Second Semester. Professor Dizard.

Race and Ethnic Relations. See Sociology 21.

First semester. Omitted 1974–75. Professor Dizard.

The Working Class in American Society. See Sociology 26.

Second semester. Professor Buff.

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The Sociology of Professions. See Sociology 32f.

First semester. Professor Dizard.

68. Seminar in American Civilization. An interdisciplinary investigation of selected aspects of American civilization.

Required of all junior majors in American Studies. One two-hour seminar weekly. Second semester. Professor Greene.

77. Senior Tutorial Course. The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.

Required of all senior majors. First semester.

78. Senior Tutorial Course. The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.

Required of all senior majors. Second semester.

97. Special Topics. Independent Reading Course.

First semester.

98. Special Topics. Independent Reading Course.

Second semester.

ANTHROPOLOGY AND SOCIOLOGY

Professors N. Birnbaum and Pitkin; Associate Professor Dizard, (Chairman); Assistant Professors Babb, Beck, Buff, and Errington‡.

The Anthropology and Sociology program is designed to complement the work of the other disciplines in the social sciences by bringing to bear the specific resources of each discipline upon the understanding of man and woman in society and culture. Emphasis is placed upon traditional as well as upon modern societies and upon people in the past as well as in the present.

Major Program: Students majoring in the department will be able to emphasize either an anthropology or sociology curriculum. In the first instance students will normally take (although not necessarily in this order) Sociology 11 or 12, Anthropology 11, 12 and 71 (71s), and four additional courses

‡On leave second semester 1974-75.

ANTHROPOLOGY AND SOCIOLOGY

approved by the department. Candidates for degrees with honors will include Anthropology 77, 78.

Those who pursue a sociology curriculum will normally take Anthropology 11 or 12, Sociology 11, 12 and 71 (71s), and four additional courses approved by the department. Candidates for degrees with honors will include, as seniors, Sociology 77, 78.

Interdepartmental majors in combination with a number of other fields may be arranged for honors candidates.

Anthropology

11. The Evolution of Culture. An analysis of culture in evolutionary perspective, regarding it as the distinctive adaptive mode of humanity.

Elective for Freshmen. First semester. Professor Pitkin.

12. Social Anthropology. An examination of theory and method in social anthropology as applied in the analysis of specific societies. The course will focus on case studies of societies from different ethnographic areas.

Elective for Freshmen. Second semester. Professor Babb.

21. Indian Civilization. A general survey of Indian civilization together with comparative materials from other areas of South and Southeast Asia.

Elective for Sophomores. First semester. Professors Babb and Lewandowski.

Colloquium in the Nature of Deviancy. See Colloquia.

Elective for Freshmen. First semester. Professors Buff and Pitkin.

23. History of Anthropological Thought. An examination of the development of the anthropological tradition from the late nineteenth century to the present. Readings will be drawn from the works of key figures in the development of American, British and French anthropology.

Elective for Sophomores. First semester. Professor Babb.

25s. Peoples and Cultures of the Middle East. An ethnographic survey of peoples and cultures of North Africa and Southwest Asia, with emphasis on social, economic, and political systems. Special consideration will be given to forms of religion and ritual in the area, and in particular to Islamic mysticism (Sufism).

Elective for Sophomores. Second semester. Professor Beck.

27. Kinship and Social Organization. An introduction to the study of social organization with reference to kinship systems, marriage patterns, and family structure. Emphasis will be placed on theoretical considerations and their application to the analysis of small-scale societies.

Electives for Sophomores. First semester. Professor Beck.

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28. Literature and Society. A course which attempts to bring some anthropological and sociological insights to bear upon the novel both as a product of western literary tradition and as it has experienced transformation in other cultural settings. We will read books as literature, as cultural artifacts, and ethnographies and as products of certain social conditions. Titles will include Eric Auerbach, *Mimesis*, Ian Watt, *The Rise of the Novel*, Daniel Defoe, *Robinson Crusoe*, Stendhal, *The Red and the Black*, Ivan Turgenev, *Fathers and Sons*, Mark Twain, *Huckleberry Finn*, Lin Ching, *The Builders*, Chinua Achebe, *Arrow of God*, Norman Mailer, *Why Are We In Vietnam?* One two hour seminar per week.

Elective for Sophomores by consent of instructor. Second semester. Professor Pitkin.

31s. Anthropological Approaches to the Study of Religion. An examination of anthropological inquiry into the ways that religion images and creates cultural reality.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor Errington.

32. Sex Roles: A Cross-Cultural Perspective. An analysis of the nature of sex roles. From a cross-cultural perspective we will examine the ways cultural factors modify and exaggerate biological sexual differences. Special attention will be given to the symbolic aspects of sexual dichotomization, to the ways in which sexual differences are expressed in myth and ritual, in religious and ideological systems. Consideration will be given to the positions and roles of men and women in the division of labor and in social, economic, and political systems. The course will conclude with a study of changing sex roles, with particular focus on contemporary American society.

Elective for Sophomores. Second semester. Professor Beck.

36. Culture and Personality. An examination of theoretical and methodological issues concerning the relationship between personality and culture. One two-hour seminar per week.

Elective for Juniors by consent of the instructor. Second semester. Professor Pitkin.

40f. Anthropological Theory: Symbolism. An examination of how symbols both reflect and form a culture's experience of its world. Authors will include Freud, Jung, Lévi-Strauss, Mary Douglas, Victor Turner and Clifford Geertz. One two-hour seminar each week.

Elective for Juniors by consent of the instructor. First semester. Professor Errington.

41. Non-Western Views of Person, Time and Reality. An analysis of various views of time, person and reality as presented in non-western autobiographies, theories of madness, and millenarian movements. One two-hour seminar each week.

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Elective for Juniors by consent of the instructor. First semester. Professor Errington.

71s. Senior Seminar. A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

Second semester. Professors Babb and Dizard.

Interdisciplinary Perspectives on Language. See Colloquium 25.

Elective for Freshmen. First semester. Professors Spellman and Bruss.

Literature in Society: The Case of Modern Brazil. See English 84.

Elective for Freshmen. Second semester. Professor Dassin.

Modern India. See History 86.

Second semester. Professor Lewandowski.

77, 78. Honors Course.

First and second semesters. The Department.

97, H97. Special Topics. Independent Reading Courses. Full or half course.

First semester. The Department.

98, H98. Special Topics. Independent Reading Courses. Full or half course.

Second semester. The Department.

Sociology

11. Introduction to Sociology. An introduction to the nature of sociological inquiry through the works of classical and contemporary theorists such as Marx, Weber, Durkheim, Simmel, G. H. Mead, C. Wright Mills, and Peter Berger; and through an analysis of some exemplary works of sociology such as *The Urban Villagers* and *Tally's Corner*. We will pursue some central themes in sociology: the tension between communal and societal modes of association, the historical progression from simple to complex societies, and the persistence and possible resurgence of communal relationships within modern society.

Elective for Freshmen. First semester. Professor Buff.

12. American Social Structure. An examination of the emergence and development of major American institutions and the structures of privilege and power these institutions sustain. Of particular concern will be the analysis of the relationships between business and government and the ways each shape public issues and private lives. What are the sources of consensus and conflict? Specific attention will be paid to the question of American empire, the prospects for racial and sexual equality, and the emergence of new political alignments.

Elective for Freshmen. Second semester. Professor Dizard.

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21. Race and Ethnic Relations. A detailed analysis of race and ethnic relations in American society with focus on the experience of several major ethnic groups in addition to a comprehensive examination of the Negro in America. Issues to be dealt with will include racism, assimilation, ethnic identity, and black culture.

Elective for Juniors and Seniors. First semester. Omitted 1974-75. Professor Dizard.

Colloquium in the Nature of Deviancy. See Colloquia.

Elective for Freshmen. First semester. Professors Buff and Pitkin.

23s. Field Methods in Sociology. The place of field work among other research methods; aims and special contributions. The strategy and problems of field work—especially participant observation: establishing a role, the use of informants and respondents, maintaining rapport, interviewing, recording field notes, concept formation, drawing inferences and corroborating them, working in organizations and foreign cultures, developing theory and ethical issues. The course will also briefly explore similarities and differences between the craft of the sociologist and that of the film maker or novelist in dealing with direct observations of human experience and action. Students will be expected to gain sustained field work experience on a collective project in an urban area.

Consent of the instructor required. Limited to fifteen students. Second semester. Omitted 1974-75. Professor Buff.

Sociology of Religion. See Religion 24f.

Requisite: Sociology 11 or Religion 11 or consent of the instructor. First semester. Professor Mudge.

25s. Modern Social Theories. An examination of some of the major tendencies in social theory since the First World War and the Russian Revolution. Among these will be American behaviorism and empiricism; Marxism in its orthodox and critical variants; existentialism, phenomenology and psychoanalysis; functionalism and structuralism; conservatism and technocratic thought. The course will emphasize the combined influences of philosophical assumption and political engagement in the construction of social theory, as well as the effect of historical experience on reflection.

Requisite: Either Anthropology 11 or Sociology 11, or Political Science 28 or 49, or History 38, or Philosophy 19. Second semester. Professor Birnbaum.

26. The Working Class in American Society. Major facets in the life of the American worker: the family, the worlds of youth and education, work and leisure, sex, marriage and the family, physical and mental health. The formation of working class values, perspectives and ideologies. The relation-

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ship of the working class to other classes and institutions. Analysis of embourgeoisement, authoritarianism, the direction of working class politics and culture, and the effects of recent social changes on the working class (the Indo-China War, the civil rights and youth movements, and the recession.) Some historical and comparative readings.

Second semester. Professor Buff.

30f. Social Change. An examination of classical and contemporary treatments of change. The sources of change and the phenomenon of social conflict. Orderly and revolutionary change. The role of the intellectual and ideology. The problems of analyzing modernization and economic development.

Requisite: Anthropology 11, or Sociology 11 or 12. Elective for Juniors. First semester. Omitted 1974-75. Professor Dizard.

31. Karl Marx. An examination of the sources and development of the thought of Karl Marx. Reading in the original texts. Current interpretations of Marx. Marxism and the contemporary social sciences.

First semester. Professor Birnbaum.

32f. The Sociology of Professions. What distinguishes the professions from other careers? How do professions emerge and become institutionalized? After treating broad questions such as these, we will focus on selected professions, especially medicine and law, in order to examine in detail the dynamics of professional training, the relationships between professionals and those they serve, the development of professional ideologies, and related themes. We shall also explore the bases of recurrent suspicion of and hostility toward experts and professionals. Finally, we will examine professionals in light of "new working class" theory.

Requisite: Sociology 11 or 12, or consent of the instructor. Elective for Juniors and Seniors. First semester. Professor Dizard.

34. Character and Social Structure. This is a course in social psychology from the sociological point of view; an inquiry into the importance of symbolic processes in the creation and maintenance of selves, collective action, organizations, and society. How does society "get into" the individual? How can we conceive of behavior as being shaped or determined by society while still taking full account of the fact that society is made up of acting and self-reflecting individuals? The major concern of the course will be the interactionist perspective of George Herbert Mead, but we will also consider the dramaturgical sociology of Erving Goffman, the labeling perspective, phenomenological sociology, and their relevance for the critique of everyday life. We will also consider such topics as socialization throughout the life-cycle, and the social construction and obfuscation of reality.

Requisite: At least one introductory level course in the social sciences. Elective for Juniors and Seniors. Spring semester. Professor Buff.

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41. The Sociology of Culture. An inquiry into the viability of high culture, understood as constituted by the philosophical assumptions, thought structures and aesthetic sensibilities of the western intellectual elite since the medieval period. High culture will be compared with traditional culture, popular culture, mass culture. The social contexts of cultural production will be examined, and the problems of a possible democratization of high culture considered. The reading will include works by Matthew Arnold, Walter Benjamin, Pierre Francastel, Sigmund Freud, André Malraux, Jean-Jacques Rousseau, Susan Sontag, Lionel Trilling, Raymond Williams.

Permission of the instructor required. Limited to twenty students. First semester. Omitted 1974-75. Professor Birnbaum.

Language and Society. See English 85s.

Limited to fifteen Amherst students, with up to seven admitted from other colleges. First semester. Professor Bruss.

71s. Senior Seminar. A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

Second semester. Professors Babb and Dizard.

Interdisciplinary Perspectives on Language. See Colloquium 25.

Elective for Freshmen. First semester. Professors Spellman and Bruss.

Literature and Society. See Anthropology 28.

77, 78. Honors Course. First and second semester. The Department.

97, H97, 98, H98. Independent reading courses. Full or half course. First and second semesters. The Department.

Asian Studies. See appropriate description preceding Colloquia.

Asian Studies. See page 207.

ASTRONOMY

Professors Harrison (Chairman), Irvine, Seitter*, and Strong; Associate Professors Arny, Dent*, Huguenin*, Taylor and Van Blerkom; Assistant Professors Dennis, C. Gordon, K. Gordon, Greenstein, O'Leary, Tadamaru and White.

*On leave 1974-75.

ASTRONOMY

A joint Astronomy Department provides instruction at Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at each of the five institutions; advanced courses are taught jointly. ASTFC indicates courses offered by the Five College Astronomy Department. These courses are listed in the catalogs of all the institutions.

The facilities of all five institutions are available to departmental majors. (See description under Astronomy 77, 78.) Should the needs of a thesis project so dictate, the Department may arrange to obtain special materials from other observatories.

Major Program: The minimum requirements for the *rite* major are Astronomy 22f and 23s plus three courses chosen from Astronomy 20, 31, 34, 37, 38, 43, 44; Physics 13, 14 and 23; and Mathematics 11 and 12. The minimum requirements for the honors major are the above courses plus Astronomy 77 and 78.

Students intending to apply for admission to graduate schools in astronomy are warned that the above program is insufficient preparation for their needs. They should consult with the department as early as possible in order to map out an appropriate program.

All astronomy majors should attempt to complete Physics 13 before the start of their Sophomore year.

11. Introduction to Modern Astronomy. A course designed primarily for students not majoring in the physical sciences. The properties of the astronomical universe and the methods by which astronomers investigate it are discussed. Topics include the nature and properties of stars, our Galaxy, external galaxies, cosmology, the origin and character of the solar system, and pulsars. Students who are even considering majoring in astronomy are cautioned that Astronomy 11 does not constitute an introductory course within the major. Three one-hour lectures per week.

Elective for Freshmen. First semester. Professor Greenstein.

Intelligent Life in the Universe. See Colloquia.

Requisite: Permission of the instructor. Enrollment limited. Second semester. Professors Greenstein and Zimmerman.

20. Cosmology. The course will examine the origin, evolution, and structure of the universe. To be given at Mount Holyoke College.

Requisite: One semester of calculus and one semester of some physical science; no astronomy prerequisite. Second semester. Professor Greenstein.

22f. Introduction to Astronomy (The Solar System and Stars). For astronomy majors or others interested in a quantitative introductory course.

Newtonian gravitation and the structure of the solar system; properties of the planets, meteors and comets; origin of the solar system; black-body

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radiation and stellar magnitudes; spectral lines and the spectral classification of stars; binary stars and stellar masses; nuclear energy and the structure and evolution of stars; the Hertzsprung-Russell diagram. Two ninety minute lectures per week plus evening laboratories.

Requisite: Physics 13. Elective for Sophomores. First semester. Professor Harrison.

23s. Introduction to Astronomy (Galactic and Extragalactic Astronomy). For astronomy majors or others interested in a quantitative introductory course.

Variable and exploding stars, pulsars, X-ray astronomy, the interstellar medium, galactic structure, external galaxies, quasars and cosmology. Two ninety-minute lectures per week plus evening laboratories.

Requisite: Physics 13. Although Astronomy 23 may be taken before Astronomy 22 students wishing to do so are warned that most students do not: those who do will require some outside reading in order to orient themselves and should consult with the instructor at the beginning of the course. Elective for Sophomores. Second semester. Professor Harrison.

31. Space Science: The Solar System. Modern studies of the solar system, with emphasis on the recent manned and unmanned missions undertaken by NASA and the interpretation of their results. Intended primarily for non-science majors. Two ninety-minute lectures per week. To be given at Hampshire College.

Elective for Freshmen. First semester. Professor O'Leary.

34. History of Astronomy. The progress of astronomy is traced from pre-historic petroglyphs to the space age. Emphasis is placed upon the development of important ideas in the field and upon the relation of astronomy to other cultural trends. Supplemented by occasional use of the planetarium and the departmental telescopes. Two ninety-minute lectures per week. Same course as ASTFC 34.

Requisite: Astronomy 11, 22 or 23. Elective for Freshmen. Second semester. Omitted 1974-75. Professor Seitter.

37. Astronomical Observation. An introduction to the techniques of gathering and analyzing astronomical data. Subjects to be covered depend somewhat on individual interests: photography, calibration of photographs; photometry; spectroscopy and classification of spectra; determination of stellar temperatures, masses and radii; introduction to telescope design and use: the astronomical distance scale. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTF 37.

Requisite: Astronomy 11, 22, or 23, and Physics 14. Elective for Sophomores. First semester. Professors Strong and Dennis.

38. Techniques of Radio Astronomy. An introduction to radio astronomy with emphasis on practical techniques. The Five-College Quabbin Radio

ASTRONOMY

Astronomy Observatory will be used to observe pulsars and other radio sources, and perform flux density and interferometric position measurements. Two ninety-minute lectures per week plus observing sessions. To be given at U-Mass.

Requisite: Physics 14. **Elective for Juniors.** Second semester. Professor Huguenin.

43. Astrophysics I. A consideration of the physical processes underlying astronomical phenomena. Each process is introduced separately and its applicability to a wide range of astronomical objects discussed. Topics will include the dynamics of astronomical bodies (galactic rotation, stellar drag, the virial theorem, tidal forces), hydrodynamics (galactic and stellar winds, density wave theory of galactic structure) and electromagnetic processes in space (cosmic ray acceleration, extinction by interstellar grains, synchrotron radiation, supernova remnants). Two ninety-minute lectures per week.

Requisite: Physics 27—or permission of the instructor. **Elective for Juniors.** First semester. Professor Van Blerkom.

44. Astrophysics II. Continuation of Astronomy 43. Quantum processes (stellar opacity, neutrino astrophysics), stellar structure, radiation transfer, the interstellar medium and cosmology. Two ninety-minute lectures per week.

Requisite: Astronomy 43. **Elective for Juniors.** Second semester. Professor Van Blerkom.

73, 74. Reading Course. Required of *rite* majors. Students electing this course will be required to do extensive reading in the areas of astronomy and space science. Two term papers will be prepared during the year on topics acceptable to the Department.

Elective for Seniors. First and second semester. The Department.

77, 78. Senior Honors. Opportunities for theoretical and observational work on the frontiers of science are available in cosmology, cosmogony, radio astronomy, planetary atmospheres, relativistic astrophysics, laboratory astrophysics, gravitational theory, infrared balloon astronomy, stellar astrophysics, spectroscopy, and exobiology. Facilities include the Five College Radio Astronomy Observatory, the Laboratory for Infrared Astrophysics, balloon astronomy equipment (16-inch telescope, cryogenic detectors), and modern 24- and 16-inch Cassegrain reflectors. An honors candidate must submit an acceptable thesis and pass an oral examination. The oral examination will consider the subject matter of the thesis and other areas of astronomy specifically discussed in astronomy courses.

Elective for Seniors. Required of honors students. First and second semesters. The Department.

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BIOLOGY

Professors Brower, Hexter (Chairman), Leadbetter, and Yost; Associate Professor Zimmerman; Assistant Professors Fisher, George, Godchaux, and Karfunkel*; Dr. Ives.

Major Program. Beginning with the Class of 1976, the major in biology will consist of at least seven courses in biology, four of which will comprise an introductory core to insure breadth and two of which will be electives. The seventh course for all majors will be Biology 77. The four core requirements are Biology 21, either Biology 22 or 26, either Biology 30 or 31, and either Biology 23 or 32 or 33. Biology 35, 41, 42, 51, 52 and 53 are specifically designed to provide greater depth in certain areas of biology. In addition, Physics 13 and Chemistry 11 and 12 are required. Physics 14 and Chemistry 21 and 32 are strongly recommended. Specific requirements may be modified with the approval of the department. Courses having numbers in the teens will not count toward the major without special approval by the department. Students intending to major in biology should take the necessary background courses in physics and chemistry as early as possible.

All majors must take a comprehensive examination during the senior year. The examination may be oral, written, or a combination of both, as determined by the department.

Honors Program. Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science. Honors candidates must elect Biology D78 in addition to the other requirements.

The work for Honors consists of two main activities: (a) an original investigation under the direction of some member of the staff, and (b) participation in a seminar in which the candidate reports on recent literature dealing with current scientific investigations.

Courses for Non-science Students. The courses numbered in the teens are designed for students who are not majoring in the sciences and for those not majoring in biology in particular. These courses are intended to introduce students to the subject matter of the biological sciences, with emphasis on scientific methodology and on man's place in nature. Although these courses may be elected by any student, they do not normally satisfy the major in biology nor are they recommended as a means of satisfying the admissions requirements of medical schools.

*On leave 1974-75.

BIOLOGY

Colloquium in Modern Experimental Science. See Colloquia.

Requisite: Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Murray, Valberg, and Waggoner.

13. Evolution of Man and of Human Nature. Biological principles are illustrated by and used in the analysis of such questions as: how did man's structure, intelligence and behavior evolve; how do we disentangle the hereditary and environmental contributions to these traits; can our perceptions, behavior and intelligence now be understood in terms of the workings of a complex kind of machine, the brain; how do the answers to these questions bear on matters of ethics and our evolutionary future? Three hours of lecture and discussion per week.

Elective for Freshmen. First semester. Professor Zimmerman.

14f. Human Ecology. General principles of ecology will be illustrated using man and his environment as primary examples. Emphasis will be placed on human evolution (past, present, and future); growth and control of human populations; food, mineral, and energy resources; and ecosystem disruption or pollution. The course will address three basic questions throughout the semester: what is man's relationship with environment now; how did it get that way; and what are the prospects for the future? Two classroom hours and one seminar meeting per week.

Elective for Freshmen. First semester. Professor Fisher.

15. The Biology of Disease. Consideration of a number of significant diseases. The intention is to start with a description of a condition, then to extend discussion of its etiology and effects as far toward the molecular level as knowledge permits. Discussion will then be extended in the other direction to consider the genetic and environmental aspects of the disease and its impact on society. Three hours of lecture and discussion per week.

Elective for Freshmen First semester. Professor Godchaux.

18. Human Genetics: Science and Society. The course will have two objectives: (1) to introduce the facts and techniques of the genetics of man including cytogenetics, inborn errors of metabolism, population genetics, mutation, and selection; (2) to use this information as the basis of a discussion of science and society including the ethics of genetic engineering, the responsibility of a scientist for his discoveries, and the relationship of science and scientists to social problems. One seminar meeting per week.

Elective for Sophomores. Limited to two sections of fifteen students each. Second semester. Professor Hexter.

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Intelligent Life in the Universe. See Colloquia.

Requisite: Permission of the instructors. Enrollment limited. Second semester. Professors Greenstein and Zimmerman.

The Natural Science of the Human Organism. See Colloquia.

Requisite: Satisfactory performance in a previous college-level natural science course. Physics 13 and 14 are strongly recommended for an in-depth approach to the subject. Alternate qualifications such as a high-school physics, chemistry, or biology course should be discussed with the instructors. First semester. Omitted 1974-75. Professors Karfunkel and Valberg.

20. Laboratory Investigation. Experimental analysis of comparative biochemistry or microbial ecology. Topics will vary from year to year. The biological significance and interrelationships of the problems will be discussed in seminars, as will also relevant primary literature. Six-eight hours of laboratory and seminar work per week.

Requisite: Advanced placement, or college chemistry or biology, and consent of the instructor. Limited enrollment. Restricted to Freshmen and Sophomores. Second semester. Omitted 1974-75. Professor Leadbetter.

21. Genetics. A study of the basic facts of heredity, an analysis of cellular structure, and a consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week.

Requisite: Concurrent registration in Chemistry 11 or equivalent. Freshmen and Five College students may elect if enrollment permits. Limited to four sections of twenty-four students each. First semester. Professors Hexter and Yost.

22. Developmental Biology. A study of the development of animals, leading to the formulation of the principles of development, and including an introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week.

Elective for Sophomores. Freshmen may elect the course with the consent of the instructor. Limited to three sections of twenty-four students each. Second semester. Omitted 1974-75. Professor Karfunkel.

23. Ecology. A study of the relationships of plants and animals (including man) to each other and to their total environment. General principles will be illustrated by lectures, selected films, computer simulations, laboratory and field work, including an aerial reconnaissance flight. Three classroom hours and four hours of laboratory or field work per week.

Elective for Sophomores. Limited to thirty-six students. Freshmen may elect the course with the consent of the instructor. First semester. Professor Brower.

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24. Natural History. A modern natural history, the course will present a comparative survey of adaptive strategies in animals and plants throughout the world. Three classroom hours and four hours laboratory or field work per week.

Elective for Sophomores. Limited to thirty-six students. Second semester. Professor Brower.

26. Physiology. Function and regulation in biological tissues, organs, and organ systems. How organisms regulate and digest food intake, control ion and water content, circulate fluids, exchange gases, respond to temperature changes, receive and respond to sensory stimuli, and organize defenses against foreign substances. How these activities are regulated by the nervous system and by hormonal controls. Three classroom hours and four hours of laboratory work per week.

Requisite: Chemistry 11. Elective for Sophomores. Second semester. Professor George.

30. Biochemistry. A study of the structure and function of biologically important molecules and their role(s) in life processes. Four classroom hours and four hours of laboratory work per week. Offered jointly by the Departments of Biology and Chemistry.

Requisite: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester. Professors Godchaux and Waggoner.

31s. Microbiology. A study of the ecology and physiology of microorganisms. Three classroom hours and four hours of laboratory work per week.

Elective for Sophomores. Freshmen may elect the course with the consent of the instructor. Second semester. Professor Leadbetter.

32. Evolutionary Biology. A study of evolutionary explanations in the life sciences, which includes consideration of population genetics and ecology, the nature of natural selection, the origin of life, the evolution of macromolecules and cellular particulates, the evolution of behavior and societies, the fossil record of vertebrates and man, and the possibilities of intelligent life elsewhere in the universe. The course requires preparation of seminars, problem sets and take-home examinations. Four classroom hours per week.

Requisite: Biology 21. Elective for Juniors or for Sophomores with the consent of the instructor. Second semester. Professor Zimmerman.

33s. Aquatic Ecosystems. An integration of physical, chemical, and biological aspects of lakes and streams designed to engender a synthetic view of the dynamics of aquatic ecosystems. Emphasis will be placed on nutrient cycling, energy flow, systems interactions and disturbance effects. Three classroom hours and four hours of laboratory work per week.

Requisite: One semester of Biology and Chemistry 11. Enrollment limited to eighteen. Elective for Juniors. Second semester. Professor Fisher.

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35. Neurobiology. Nervous system function at the cellular and subcellular level. Ionic mechanisms underlying electrical activity in nerve cells; the physiology of synapses; transduction and integration of sensory information; the analysis of nerve circuits; the specification of neuronal connections; trophic and plastic properties of nerve cells and the relation of neuronal activity to behavior. Three classroom hours and four hours of laboratory work per week.

Requisite: Chemistry 11, Physics 14, and one semester of biology. Elective for Juniors. Limited to twenty-four students. First semester. Professor George.

41. Advanced Developmental Biology. An analysis of current views of the development of plants and animals at the cellular and biochemical levels, with special attention to the genetic control of embryonic differentiation and to cellular interaction in morphogenesis. Three classroom hours and four hours laboratory per week.

Requisite: Biology 22. Elective for Juniors. Limited to twelve students. First semester. Omitted 1974-75. Professor Karfunkel.

42f. Topics in Ecosystem Biology. An advanced treatment of ecosystem structure and function synthesized from traditional fields of plant and animal, terrestrial, freshwater, and marine ecology. Productivity, modeling, control mechanisms, and general system theory applications will be emphasized. One seminar meeting and one laboratory per week.

Requisite: Biology 33 or written consent of the instructor. Elective for Juniors. Offered alternate years. Omitted 1974-75. First semester. Professor Fisher.

51. Seminar: Topics in Comparative Biochemistry. Topics will vary from year to year but will be represented by the following: photosynthesis, biosynthesis of unusual compounds, cellular and colonial morphogenesis, regulatory mechanisms, the biology of viruses. One seminar meeting per week.

Requisite: Biology 30 or 31 or consent of the instructor. Elective for Juniors. Limited to fifteen students. First semester. Professor Leadbetter.

52. Seminar in Genetics. A study in depth of one of several topics in genetics. Topics will vary from year to year. Primary sources will be used when available. Three hours per week.

Requisite: Biology 21 and the consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Professor Yost.

53. Seminar in Molecular Biology. A study of the relationship of structure to function at the subcellular level, with emphasis on molecular mechanism. Coverage will be flexible within the area of the molecular biology of eukaryotes. Past topics have included biosynthesis and its regulation, transport, and cellular function of the major classes of biological macromolecules.

BIOPHYSICS

Three hours of classroom work per week, plus individual laboratory projects. The laboratory is optional for students enrolled in Biology 77.

Requisite: Biology 30. Elective for Juniors. First semester. Professor Godchaux.

Biology 77. Senior Seminar. Required of seniors who are majoring in biology. The seminar will center on a discussion of the social and ethical consequences of certain aspects of biology. Topics will vary from year to year. Candidates for honors are expected to begin their research work early in this semester and to participate in the seminar.

Limited to Seniors majoring in biology. First semester. The Staff.

Biology D78. Biology Honors. All candidates for honors in biology will take this course. The work consists of seminar programs and a continuation of individual research projects.

Elective for Seniors majoring in biology who are candidates for honors. Second semester. The Staff.

97, H97, 98, H98. Special Topics. Independent Reading or Research Courses. Half or full course, as arranged.

First and second semesters.

BIOPHYSICS

Advisory Committee: Professors Dempsey*, Kropf (Chairman), Romer and Yost.

A student may receive the B.A. degree from Amherst with an interdepartmental major in biophysics. This program is designed for those few capable students who either wish the breadth of experience this program provides or who wish to prepare for graduate study. The major is organized around course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

Major Program. Each student, in consultation with the Chairman of the advisory committee, will construct a program which will provide for a basic grounding in biology, chemistry and physics with supporting work in mathematics. The courses selected will introduce the student to each of the sciences basic to biophysics, and in addition should enable him to reach a

*On leave 1974-75.

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sufficient level of sophistication in the basic sciences so as to understand current problems in biophysics. A typical program would be:

Physics: 13, 14 and two more advanced courses.

Chemistry: 11, 12 and several more courses in physical, organic and biochemistry.

Mathematics: 11, 12 and some more advanced work in calculus and differential equations.

Biology: 21 and other work in molecular biology.

All biophysics majors are expected to attend the biophysics seminar, where topics of current interest in biophysics are discussed. It is important that a prospective biophysics major consult with the biophysics advisor early in his academic career in order to determine his course selections and prospective seminar and honors work.

Honors Program. Candidates for the degree with honors should elect Biophysics 77 and D78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

77, D78. Biophysics Honors. The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member.

Full course first semester. Double course second semester. The Committee.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course. First and second semesters.

BLACK STUDIES

Professors Davis*, and Nketsia; Associate Professor Sanchez (Chairperson); Assistant Professors Brown, Cowell and Davidson; Visiting Lecturer Winston.

Black Studies is a cohesive interdisciplinary program offered at the Five Colleges that emphasizes and explores the development, experience, and achievements of Black peoples in the United States, the Caribbean, and Africa. It is designed to broaden the student's knowledge about the black

*On leave 1974-75.

BLACK STUDIES

experience while preparing him to meet requirements for careers in various fields of employment or graduate work in Black and/or African Studies. A list of other appropriate courses offered under Five College Afro-American Studies at Hampshire, Smith, and Mount Holyoke Colleges and the University of Massachusetts is available in the Registrar's Office.

Five College Major Program. The Five College Major is designed to equip the students with the Normal Competencies of a major in one of the traditional fields, in addition to a perspective on reality shorn of the distortions that have affected the perception of the roles and capabilities of Blacks in the world. It is so structured as to provide, in addition to a general introduction to the various aspects of the field, specializations or concentrations in the areas of history, literature and the social sciences. There are four parts to the Major: The introductory sequence or general concentration of courses is intended to present students with a comprehensive overview of the cultural and political history of people of African descent, and to introduce them in a general but thorough overview to the contemporary social, political and economic realities of the Black World. These courses must be taken during the Freshman and Sophomore years.

During the Junior and Senior year the student must concentrate in a specific discipline in the field of History, the Humanities and Arts or the Social Sciences. In this way the students will specialize and advance their study of the Black experience while learning the methodology and critical language of a particular academic discipline.

We are also proposing that Black Studies majors be required to complete field work in a Black community with faculty guidance and participation. A senior honors project is also required for Majors.

We believe that the student majoring in Black Studies will be at least as well equipped with the skills normally sought by undergraduate students in any of the traditional liberal arts disciplines, as well as with a clear-eyed, factual view of the history, culture and situation of Black people free from the rhetorical excess or the systematic distortion of western "scholarship."

Honors Program. The Black Studies Honors Program consists of two or three semester courses of independent research with a maximum total of three research courses spread throughout the junior and senior years, or a junior year abroad (Africa, Caribbean, or Brazil) may be substituted for them. Any Black Studies major who wishes to be considered for the degree with honors, must present an honors thesis centering on a topic which he has worked on during his research courses or abroad.

11. An Introduction to Black Studies. An interdisciplinary introduction to the basic concepts and literature in the disciplines covered by Black Studies. Includes History, the Social Sciences, and the Humanities as well as con-

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ceptual framework for investigation and analysis of Black history and culture.

First semester. The Department.

11s. An Introduction to Black Studies. Same description as Black Studies 11.
Second semester. The Department.

13. An Introduction to Black Studies: Research and Writing. An introduction to basic research methods including library use, project development, notes and bibliographies, and writing research papers. Strongly recommended for entering Freshmen.

First semester. The Department.

13s. An Introduction to Black Studies: Research and Writing. Same description as Black Studies 13.

Second semester. The Department.

23. Music in Black America I. An inside view of the historical development of Afro-American music from its West African roots to the Blues. There will be a concentration on the various forms of Black music in the Americas including Caribbean, blues and jazz.

First semester. Professor Brown.

24. Music in Black America II. From the New Orleans tradition through the Bebop Era to the present. The course will also deal with the Sociological significance of music in the Black community.

Second semester. Professor Brown.

25. Music Composition in Black America I. A total analysis of Black American music including a study of the compositional structures, techniques in the development of Afro-American music.

First semester. Professor Cowell.

26. Music Composition in Black America II. A continuation of Music Composition I. The course will also deal with the role of Black American music in the development of the Black American personality; and the legal intricacies of Black music as a business.

Second Semester. Professor Cowell.

35. Black Literature I. A survey of Afro-American poetry, drama, fiction and non-fiction from slave days to the end of the Harlem Renaissance. Readings will include the works of Charles Waddell Chestnut, Paul Laurence Dunbar, Jean Toomer, Booker T. Washington, W. E. B. DuBois and Langston Hughes.

First semester. Professor Sanchez.

36. Black Literature II. An analytical survey of the poetry, short stories, fiction and non-fiction of Black Americans from the 1930's through the

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1970's. Readings will include the works of Wright, Ellison, Hayden, Brooks, Baraka, Sanchez, Greenlee, Karenga, Baldwin and others.

Second semester. Professor Sanchez.

39. Studies in Creative Writing. An examination of elements of poetic composition, the theory and techniques of short fiction writing and writing for theatre. Workshop presentation of works in progress shall be made and short set exercises are regularly required.

First semester. Professor Sanchez.

40. Studies in the "Afro-American" Woman. An examination of the nature of the black woman's role in the black community as it relates to the significant social and historical forces within the American environment that produced both the 'mammy' and the matriarch. Topics range from African background to modern day efforts to reclaim identity.

Second semester. Professor Sanchez.

43. Social Stratification of the Black Community. An intensive analysis of class structures within the black community with regard to its juxtaposition with the larger society. A primary focus will be the political economy of blacks.

First semester. Professor Davidson.

45. Colonialism in the Black Experience. An examination of the dynamics of Colonialism as it affected the social and political institutions of Africa in general terms. There will also be an assessment of the impact of Colonialism on contemporary black life in Africa, the West Indies and America.

First semester. Professor Davidson.

47. The Sociology of the African Family. This course in the Sociology of the African family deals with five representative societies—the *Akan* of Ghana in West Africa, the *Nuer* of Southern Sudan, the Central *Bantu* of Central Africa, and the *Swazi* and *Tswana* of Southern Africa.

There will be an examination of Marriage and the Nuclear Family as they operate in the African home and then a detailed study of the structure and organization of the clan and lineage systems of these societies. Particular attention will be paid to the communal nature of these societies—the common holding of property, collective responsibility, reciprocal obligations and on the whole the conception of the socio-political unit as an undying collectivity consisting of the dead, the living and the unborn.

First semester. Professor Nketsia.

48. The Black Family in the United States. An interdisciplinary study of the Black family in the United States, with an emphasis on slavery, post-Civil War family structure and the impact of urbanization upon the family as a unit.

Second semester. Professor Davidson.

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50. African Elements in Brazil, Latin America and the Caribbean. A survey of the impact of African cultural elements in these areas. Emphasis is placed on African eschatological ideas; religious, philosophical and ethical notions; ideas of secret societies and their impact on the family, church, music, and language. Consideration will also be given to the social, political, and economic life in the respective areas. Much of the reading will be taken from Portuguese works translated into English and, where relevant, from French. A paper will be required.

First semester. Omitted 1974-75. Professor Davis.

51. African Nationalism. The course will be concerned with traditional and ideological factors in African nationalism. The first part will examine Independent Church ideas: Etheopianism, Zionism, Messianism, in the light of actual patterns of conduct in West, Central and South Africa. The second part will devote special attention to an assessment of political ideas as stated by a number of Africans in the nineteenth and twentieth centuries. Their relation to the evolution of African political parties and the emergence of independent states, will also be considered. The course will be built around such concepts as "the political leader as a representative of a culture".

First semester. Omitted 1974-75. Professor Davis.

53. Improvisational Music Workshop I. An introduction to jazz improvisation for all instruments. The instructors will lead the ensemble through the basic rhythms, melodies, chords, scales and styles for competent jazz performance. A certain amount of practice and prior musical knowledge is expected.

Requisite: Consent of instructors. First semester. Professors Brown and Cowell.

54. Improvisational Music Workshop II. A continuation of Improvisational Music Workshop I.

Requisite: Consent of instructors. Second semester. Professors Brown and Cowell.

60. African Myths and Folktales. For countless ages Myths and Folktales have been used to educate, entertain and in other ways socialise the African child. The Course will investigate the function of Myths and Folktales in the Religious Beliefs, Morality, Drama and Social Organization of selected African Societies. The prevalence of these myths and folktales among Africans in the New World will also be discussed.

Second semester. Professor Nketsia

62f. In Introduction to African Religious Beliefs and Practices. This course deals with African religious beliefs and practices. Particularly it examines the structure and nature of African society and the function of religion in it. Specifically the course will deal with five societies—three in West Africa

BLACK STUDIES

and two in East Africa. The West African societies are centrally organized and hierarchial while the East African ones are acephalous and egalitarian. There will also be a survey of African beliefs and practices in the New World and especially in Bahia in Brazil, Cuba, Haiti and Surinam where the West African religions are practiced.

First semester. Professor Nketsia.

63. Comparative Slave Systems in Africa and the Americas. This course will focus upon the distinction between "slave trade" and slavery" in Africa, the anatomy of African slave systems and their relation to the community. It will also explore some of the major differences between slavery in Africa with that of the New World. The emphasis is on giving the student some understanding indepth of the variations between slave systems and their relation to the economic, religious and cultural situations confronting people of African ancestry. (To alternate with History 69).

First semester. Offered in alternate years. Omitted 1974-75. Professor Davis.

66f. Development of Black Business and Financial Institutions. Current problems of Afro-Americans in urban communities.

First semester. Professor Winston.

77, 78, D78. Honors Course. Senior Honors. Preparation of an honors thesis.

9979, H97. Special Topics. Independent Reading Courses. Senior *rite* candidates should arrange a Special Topics course as a senior seminar. Full or half course. First semester. The Department.

98, H98. Special Topics. Independent Reading Courses. Full or half course. Second semester. The Department.

The following courses are available for inclusion in a Black Studies Program in 1974-75.

Seminar in Genetics. See Biology 52.

Requisite: Biology 21 and consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Professor Yost.

The Economics of Urban Problems. See Economics 23.

Requisite: Ecnoomics 11. First semester. Probably omitted 1975-76. Professor Kohler.

African History to 1880. See History 69s.

Requisite: Previous course work in the Department of History or the consent of the instructor. Second semester. Professor Gifford.

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Modern African History. See History 70.

Requisite: History 69 or the consent of the instructor. Second semester. Omitted 1974-75. Professor Davis and the Department.

Politics in Developing Nations. See Political Science 44f.

First semester. Professor Hartford.

American Social Structure. See Sociology 12.

Elective for Freshmen. Second semester. Professor Dizard.

Black Religion from Slavery to the Present. See Religion 37.

First semester. Professor Wills.

CHEMISTRY

Professors Fink, Kropf (Chairman), and Silver*; Associate Professor Sargent; Assistant Professors R. Davidson, Hove, Pease, and Waggoner†.

Major Program. A student considering a major in chemistry should consult a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry, chemical physics, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in chemistry are Chemistry 11, 12, 21, 23, and three more courses chosen from Chemistry 30 (Biochemistry), 32 (Organic Chemistry), 34 (Physical Chemistry), 35 (Inorganic Chemistry). In addition, Mathematics 12 and Physics 13 are required for Physical Chemistry. Students planning a chemistry major should strive to complete Chemistry 11 and 12 and Mathematics 11, or their equivalents, by the end of freshman year.

Honors Program. A candidate for the degree with honors will also elect Chemistry 77 and D78 in the senior year. It would be helpful in pursuing an honors program for the student to have completed physical and organic chemistry by the end of his junior year. However, either of these courses may be taken in the senior year in an appropriately constructed honors sequence. Honors programs for exceptional interests, including interdisciplinary study, will be arranged on an individual basis by the departmental advisor.

*On leave 1974-75.

†On leave first semester 1974-75.

CHEMISTRY

Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. All chemistry majors should attend the seminar in their senior year. At this seminar discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the Department are: theoretical chemistry; chemistry of biological membranes; synthesis and properties of fluorescent dyes which serve as membrane probes; nucleophilicity of carbon-carbon bonding electrons; reactions of aromatic radical anions; synthesis and reactions of polyenes related to Vitamin A; chemistry of the visual process; mechanisms of organic reactions; enzyme catalyzed processes; studies of compounds with unusual magnetic and electrical properties; coordination chemistry and reaction mechanisms in inorganic systems; nuclear chemistry; hot-atom chemistry; photochemistry; conformational studies of natural and synthetic polypeptides.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work, the comprehensive examination, and course performance.

Chemistry 10f has been designed to introduce non-science students to the concepts of chemistry with emphasis on methods of discovery and use in our technological society. This course may be elected by any student, but it does not satisfy the major in chemistry nor is it recommended as a means of satisfying the admission requirements of medical schools.

10f. Chemistry and Technological Society. An introduction to the fundamental principles of chemistry through the consideration of such topics as the production of energy, the pollution of the environment, the synthesis of new materials, the uses and effects of medicines and drugs, the chemistry of life processes, and the problems of population (and its control), food, and nutrition. These topics will be used to demonstrate the interrelationships between initial discovery, subsequent development, and beneficial or destructive use of technology in our society. Three hours of lecture and discussion per week and occasional laboratory periods.

Elective for Freshmen. First semester. Professor Fink.

11. Introductory Chemistry. Beginning with a discussion of the origin and formation of the elements, this course will study the structure of atoms, the formation of molecules, the nature of interatomic and intermolecular forces, the nature of chemical reactions in terms of rate and position of equilibrium, and the chemical basis of biological processes.

Students with a limited background in secondary school science should

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consider registering for Chemistry 10f and are urged to consult with the instructor before registering for Chemistry 11.

This course has no prerequisites. Four class hours and three hours of laboratory per week.

Elective for Freshmen. First semester. Professors Fink, Kropf, and staff.

11s. Introductory Chemistry. Same description as Chemistry 11.

Elective for Freshmen. Second semester.

12f. Chemical Principles. An examination of the relationships among structure, stability, and chemical change. The thermodynamic and kinetic criteria for stability of both inorganic and organic compounds will be investigated. Topics such as the use of thermodynamics in determining the position of equilibrium in inorganic, biochemical, and organic reactions, and the use of chemical kinetics in the determination of the rate of attainment of equilibrium will be discussed. Appropriate laboratory work will be performed. Four class hours and three hours of laboratory per week.

Requisite: Chemistry 11 (This requirement may be waived for exceptionally well prepared students. Consent of the instructor is required.), Mathematics 11 or its equivalent. Elective for Freshmen. First semester. Professors Davidson and Hove.

12. Chemical Principles. Same description as Chemistry 12f.

Elective for Freshmen. Second semester. Professors Fink, Kropf and staff.

Light and Vision. See Colloquia.

Elective for Freshmen. First semester. Professors S. George and A. Kropf.

Intelligent Systems. See Colloquia.

Limited to fifteen students. Second semester. Professors R. Davidson and S. George.

Colloquium in Environmental Chemistry and Physics. See Colloquia.

Enrollment limited. Second semester. Omitted 1974-75. Professors Fink and Yost.

21. Organic Chemistry. A study of the structure of organic molecules and of the influence of structure upon the chemical and physical properties of these substances. The following topics are among those discussed in the first semester: hybridization, resonance theory, molecular orbital theory, spectroscopy, stereochemistry, acid-base properties and the carbonium ion theory. Laboratory work introduces the student to simple laboratory techniques, instrumental analysis, kinetic measurements and elementary synthetic methods. Four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 12 or equivalent. First semester. Professors Sargent and staff.

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23s. Modern Physical Chemistry. Elementary quantum mechanics and statistical mechanics. Topics include the time-independent Schrödinger equation, approximate methods of solution, applications to the structure and properties of atoms, molecules and solids, the chemical bond, and intermolecular forces. Equilibrium statistical thermodynamics including Boltzmann and quantum statistics, applications to ideal gases, crystalline solids and an introduction to theories of the liquid state. Three hours of lecture and two hours of laboratory problems per week.

Requisite: Chemistry 12 or equivalent, Physics 13 and Mathematics 12. Second semester. Professor Davidson.

30. Biochemistry. A study of the structure and function of biologically important molecules and their role(s) in life processes. Four classroom hours and four hours of laboratory work per week. Offered jointly by the departments of Biology and Chemistry.

Requisite: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester. Professors Godchaux and Waggoner.

32. Organic Chemistry. A continuation of Chemistry 21. The second semester of the organic chemistry course usually emphasizes subjects such as the chemistry of the carbonyl group, amino acids and proteins, sugars, acid-base catalysis in both non-enzymatic and enzymatic systems, oxidation-reduction reactions, problems of synthesis and other topics of interest. The laboratory is relatively unstructured and permits the student either to attempt some of a variety of suggested multistep syntheses or to design and execute a synthesis or other experiment of his or her own design. Four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 21 with a grade of C- or better. Second semester. Professor Sargent and staff.

34f. Modern Physical Chemistry. The theories of quantum and statistical mechanics will be applied to chemical systems. Most applications will be in the field of spectroscopy and will include atomic and molecular electronic spectroscopy as well as rotational and vibrational spectroscopy. In addition, NMR, ESR, fluorescence and CD spectroscopy will be discussed. Corresponding laboratory work will be included. Three hours of lecture and four hours of laboratory per week.

Requisite: Chemistry 23 and Physics 14 or permission of the instructor. First semester. Professor Pease.

35. Inorganic Chemistry. Periodicity of both physical and chemical properties of the elements will be examined on the basis of fundamental atomic theory. Group Theory and its applications to chemical problems will be discussed. Structure and bonding in coordination complexes will be ex-

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amined through the Crystal and Ligand Field Theories. Emphasis will be placed on understanding the magnetic, spectral and thermodynamic properties of coordination complexes. Kinetics and mechanisms of inorganic reactions will also be examined. Three to four hours of lecture and discussion per week.

Requisite: Chemistry 23. First semester. Professor Hove.

77, D77, 78, D78. Honors Course.

Elective for Senior honors candidates, and for others with the consent of the Department. First and second semesters. The Department.

97, H97, 98, H98. Special Topics. A full or half course.

First and second semesters. Consent of the Department is required. The Department.

CLASSICS

Professor Marshall (Chairman); Assistant Professors Flory*, Griffiths and Kitzinger.

Major Program. All courses offered by the Department may be counted toward the major except those numbered 1, 1s, and 3. Latin 15-16 will normally be introductory to higher courses in Latin, and Greek 15-16 will serve the same function in Greek. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that no fewer than two may be taken in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

Honors Program. Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 77 and 78 in either Greek or Latin. He must submit a long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read indepen-

*On leave 1974-75.

dently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. In the second semester of his senior year he will be given a written examination covering: (a) his honors work; (b) his reading in the classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice among various optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 12, 11, or 1s, 11, 12.

Classics

23. Classical Civilization. Readings in English of Homer, Herodotus, Aeschylus, Sophocles, Euripides, Aristophanes, Thucydides, Plato, and others to trace the emergence of Western culture from the Bronze Age to Alexander. How did the advent of writing transform the oral culture? How did mythological modes of thought develop into science, history, philosophy, drama? What then precipitated the initial rebellion against rationality? Three hours of classroom work per week.

First semester. Professor Griffiths.

24. Classical Civilization. A study of Roman civilization from its origin to the Empire. The material will be interpreted in the light of Roman influence upon later Western civilization. The reading will be almost entirely from Latin literature, but no knowledge of the ancient languages is required. Three hours of classroom work per week.

Second semester. Professor Marshall.

32. Problems in Greek Civilization. The course will focus on problems concerning myth and the theater; the origin and development of myth and its treatment in Greek literature, with particular emphasis on the tragedians; the concept of character and character development in Greek tragedy; the production and staging of Greek tragedy and comedy. The particular works studied will, as far as possible, depend upon the needs and interests of the class.

Seminar course, restricted to fifteen students. Second semester. Professor Kitzinger.

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Introduction to European Civilization. (Problems in Roman Civilization). See European Studies 11. For the years 1974-75, this will serve as the Problems in Roman Civilization seminar course. All readings will be in English.

First semester. Professor Marshall.

Greek

1. Introduction to the Greek Language. This course prepares students in one term of four class meetings per week to read Plato and other Greek literary, historical, and philosophical texts in the original and also provides sufficient competence to read New Testament Greek. Students will learn alphabet, pronunciation, grammar, and build vocabulary by reading a series of dialogues of gradually increasing difficulty. Normally followed by Greek 12.

First semester. Professor Marshall.

1s. Introduction to the Greek Language. (Intensive). This course prepares students in one term to read Homer and other Greek literary, historical and philosophical texts in the original and also provides sufficient competence to read New Testament Greek. Three hours per week of general introduction to the language. Students will elect a fourth hour in reading either Homer or the New Testament. This course is normally followed by Greek 11.

Second semester. Professor Griffiths.

11. An Introduction to Homeric Epic. The *Odyssey* will be read with particular attention to the poem's structure and recurrent themes as well as to the society it reflects. The course will explore the symbolic meaning of the Odysseus tales in a broader mythological context and the value of Homer's text as historical evidence for the Bronze and Dark Ages.

Requisite: Greek 1s or 12 or consent of instructor. First semester. Professor Griffiths.

12. Plato's Apology. An introduction to Greek literature through a close reading of the *Apology* and selected other works of Attic prose of the fifth and fourth centuries B.C. Additional readings in translation. Three one-hour class meetings per week.

Requisite: Greek 1 or 1s or equivalent. Second semester. Professor _____.

15. Greek Tragedy. Two plays will be read with emphasis on poetic diction, dramatic technique, and ritual context. Larger issues will also be raised,

CLASSICS

such as the nature and meaning of the tragic experience and the characteristics which make Greek Tragedy unique as a literary form. Three one-hour class meetings per week.

Requisite: Greek 12 or its equivalent. First semester. Professor Kitzinger.

16. Comedy and Tragedy. Euripides' *Bacchae* and Aristophanes' *Frogs* will be read with emphasis on poetic diction, dramatic technique, and ritual context. This course will study comedy and tragedy as originally distinct, but complementary literary forms, as well as the reasons for their convergence at the end of the Peloponnesian War. Attention will be paid to the religious significance of Dionysus and to the historical circumstances which these plays reflect.

Requisite: Greek 15 or its equivalent. Second semester. Professor Kitzinger.

H21s. Greek Prose Composition and Style. This course is designed to refine the student's mastery of the Greek language through a study of the connection between thought and style in Selected Greek prose writers. There will be two principal types of exercise, *viz.* (a) analysis of passages from Herodotus, Antiphon, Thucydides, Gorgias, The *dissoi logoi*, Isocrates, Plato, and Demosthenes; and (b) translation of English passages into Greek and original composition in Greek. One hour of classroom work per week. A half course. Offered in alternate years.

Requisite: at least Greek 11 or 12 or equivalent. Second semester. Omitted 1974-75.

41. Advanced Readings in Greek Literature. The authors read in Greek 41 and 42 vary from year to year, but as a general practice are chosen from a list including Homer, choral and lyric poetry, historians, tragedians, and Plato, depending upon the needs of the students. Greek 41 and 42 may be elected any number of times by a student, providing only that the topic is not the same. In 1974-75, the course will focus on the Lyric Age, with readings from choral lyric, and elegiac poetry, as well as from Herodotus' *Histories*. Issues to be explored include the rise of the individual, the evolution of the *polis*, the transition from tyranny to democracy, and the general nature of archaic thought. Authors to be read include Archilochus, Solon, Sappho, and Pindar. Two class meetings per week.

Requisite: Greek 15 or 16 or consent of instructor. First semester. Professor Griffiths.

42. Advanced Readings in Greek Literature. See course description for Greek 41. Greek 42 will be devoted to Homer. The entire *Iliad* will be read in Greek.

Requisite: Greek 15 or 16 or equivalent. Second semester. Professor Griffiths.

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77, D78. Senior Honors Course. Greek 78 is a double course.

First and second semesters. Members of the Department.

97, 98. Special Topics.

First and second semesters. Members of the Department.

Latin

3. An Introduction to the Language and Literature of Ancient Rome. A course designed to increase the student's understanding of his own language and literary tradition. No previous knowledge of the language required; forms and syntax will be studied with a view to reading several great Roman authors in the original. Four hours of classroom work per week.

First semester. Professor Kitzinger.

15. Catullus and the Lyric Spirit. The course will examine Catullus's poetic technique, as well as his place in the literary history of Rome. Extensive reading of Catullus in Latin, together with other lyric poets of Greece and Rome in English.

First semester. Professor Kitzinger.

16. Intermediate Latin. This course aims at establishing reading proficiency in Latin. We will read passages illustrative of Roman attitudes to such topics as marriage, death, religion, and politics, selected from Gellius, Pliny, Tacitus, Petronius, and Livy. Readings will vary according to the proficiency and interests of the students. Three one hour class meetings per week.

Minimum requisite: Latin 3 or completion of a beginning course in Latin. Second semester. Professor Griffiths.

41. Advanced Reading in Latin Literature. The authors read in Latin 41 and 42 vary from year to year, the selection being made according to the interests and needs of the students. Both 41 and 42 may be repeated for credit. In 1974-75, Latin 41 will be devoted to an extensive examination of Roman Satirical writing, with particular emphasis upon Horace and Juvenal. Three hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. First semester. Professor Marshall.

42. Advanced Readings in Latin Literature. For the year 1974-75, the author read will be Lucretius, with particular attention given to the relationship between the philosopher and the literary artist. Three hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. Second semester. Professor Marshall.

DRAMATIC ARTS

77, D78. **Senior Honors Course.** Latin 78 is a double course.
First and second semesters. Members of the Department.

97, 98. **Special Topics.**
First and second semesters. Members of the Department.

Colloquia. See page 208.

DRAMATIC ARTS

Professor Boughton (Chairman); Assistant Professors Buchman and Keyssar-Franke.

Major Program. Rite majors will complete Dramatic Arts 11, 12 and 41, Fine Arts 11 or 11s, and four other courses in Dramatic Arts, two of which must not be production oriented, i.e. outside the 40 series. In addition, they will complete four courses in a literature. The latter requirement may be fulfilled by electing four literature courses within a single department other than Dramatic Arts or by electing four courses in *dramatic* literature in various departments other than Dramatic Arts.

Honors Program. Honors candidates will also elect in their senior year Dramatic Arts 77-78.

Each candidate for a degree in Dramatic Arts is required to pass a comprehensive examination during his senior year. The examination is given near the beginning of the second semester.

Dramatic Arts 41 is a requisite for Dramatic Arts 42 or 48.

11. Introduction to the Theater. An examination of the several kinds of theatrical experience, cinematic as well as live, and how they are brought to fruition in production. The course will focus on criteria for assessing the artistic values and theatrical effectiveness of dramatic pieces both in concept and in performance.

Required for all drama majors. First semester. Professor Boughton.

12. Acting. An introduction to the principles of performance. Techniques for developing vocal, physical and sensitivity skills, and methods for relating those skills to problems of interpretation, characterization and stage inter-influence.

Required for all drama majors. Three hours of classroom work and two hours of laboratory work per week. Second semester. Professor Keyssar-Franke.

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21. Classical Drama. An investigation of the classical mode both in the ancient Greek and Roman theaters and in the modern world as well. Sophocles, and Euripides as the originators of a tragic vision, and on the physical nature of the Greek stage. Among modern plays to be read are Dryden's *All For Love*, Racine's *Phaedre*, Anouilh's *Antigone*, and T. S. Eliot's *Murder in the Cathedral*.

First semester. Omitted 1974-75. Professor Boughton.

23. Renaissance Drama. This course will deal with the two major thrusts of the theater in the period 1450-1650: the Italianate stage of illusion and the presentational stages of England and Spain. Theories and designs by Vitruvius, Serlio, Palladio, and Inigo Jones will be studied as well as plays by Lope de Vega, Calderon, Machiavelli, Marlowe, Shakespeare, Jonson, Heywood, Webster, Tourneur, Beaumont and Fletcher, and Ford.

First semester. Professor Boughton.

25. The Beginnings of Modern Drama: Büchner to O'Neill. This course will examine both the realistic and non-realistic modes of drama in the 19th and early 20th centuries. Ten to twelve plays will be discussed including works by such playwrights as Büchner, Ibsen, Strindberg, Chekov, Shaw, Jarry, Synge, Gorki and O'Neill. The approach to the plays will stress the dramas as performance, focusing particularly on the relationship of script to audience. Where appropriate, plays will be set in the context of theater centers like the Moscow Art Theater, the Theatre Libre, the Abbey Theater, and the Provincetown Theater.

First semester. Professor Keyssar-Franke.

26. The Modern Theater. An investigation of twentieth century theater with emphasis on symbolism, expressionism, surrealism, and absurdism. Staging theories of Vaktanghov, Meyerhold, Piscator, Brecht, Artaud, and Grotowski will be featured as well as plays by such authors as Arrow-smith, Pirandello, Cocteau, Kokoschka, Brecht, Beckett, Pintar, O'Neill, Williams, and Albee.

Second semester. Professor Keyssar-Franke.

32. From Text to Performance. For 1974: Shakespeare and the process of interpretation in the presentational theater. Employing certain plays by Shakespeare, the course will deal with the relationship between literary criticism and the roles of the actor and the director within the theater. Emphasis will be placed on textual analysis as a means of determining appropriate oral expression and stage movement.

Requisite: Dramatic Arts 12 or its equivalent. Second semester. Professor Boughton.

DRAMATIC ARTS

37. Art of the Film. Two hours in film showings and two hours in a lecture-discussion period per week.

First semester. Professor Keyssar-Franke.

41. Dramatic Structure and Theory. A detailed examination of the playwright's craft. Critical analyses of such dramaturgical factors as plot, character, language, mood, suspense, motivational units, conflicts, turning points, climaxes, subplots and how a dramatist or director can use them effectively in the theater. Also an examination of the distinguishing features of the several types and modes of drama. Required for all drama majors.

First semester. Omitted 1974-75. Professor Boughton.

45. Technical Production Seminar. A study of traditional and modern stage production techniques. Emphasis is placed on the development of problem-solving ability and inventiveness in the context of a play's technical requirements. Attention is given to a variety of construction methods, materials, rigging practices, scheduling, and scenographic techniques. Three classroom hours and three laboratory hours per week.

Requisite: Dramatic Arts 11 or equivalent, or consent of the instructor. First semester. Professor Buchman.

46. Seminar in Stage Lighting. A study of principles and tools of the stage lighting designer. Special emphasis is placed on the student's grasp of the practicalities within the field as well as development of the ability to translate his ideas to the physical stage. Attendance at several major Five College productions will be required. Three hours of classroom work per week plus laboratory.

Requisite: Dramatic Arts 11 or equivalent. Second semester. Professor Buchman.

48. Directing. Theories and techniques for mounting productions. Scenes from various types and modes of drama will be directed by members of the class and the course will culminate in the direction by each student of a play for public presentation. Limited enrollment; admission with the consent of the instructor.

Requisite: Dramatic Arts 41 and either 45 or 46. Second semester. Professor Boughton.

77. Conference Course. Conference course for honors candidates in dramatic arts.

Elective for Seniors. First semester. The Department.

78. Conference Course. Continuation of Dramatic Arts 77 for honors candidates in Dramatic Arts.

Elective for Seniors. Second semester. The Department.

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97, H97. Special Topics. Independent Reading Course. Full or half course. Admission with the consent of the instructor. First semester. The Department.

98, H98. Special Topics. Independent Reading Course. Full or half course. Admission with the consent of the instructor. Second semester. The Department.

ECONOMICS

Professors Aitken†, Beal‡, Collery‡, Kohler, and Nelson; Associate Professor Nicholson (Chairman). Assistant Professors Bourdon, Sears*, Staelin, and Westhoff.

Major Program. All students majoring in economics must take eight courses in the Department. These courses must include Economics 11, 13, 14, and 15. Mathematics 11 or equivalent is also required, in addition to the eight-course minimum. With the consent of the Department, other preparation in statistics may be substituted for Economics 15. This substitute may also be counted as one of the eight courses required for a major. *Rite students* must take Economics 73, and students who are candidates for honors must take Economics 77 and D78. For the year 1974-75, Economics 29 may be substituted for Economics 73 or Economics 77.

Students intending to pursue graduate study in economics are strongly advised to take additional courses in mathematics beyond Mathematics 11.

Each candidate for a degree in economics is required to pass a written comprehensive examination during his senior year. The examination is given at some mutually-agreed time between the first and second semester. Theses must be submitted by the first Monday in May; each honors candidate will be given an oral examination on his thesis within two weeks thereafter.

Economics 11 (or 11s) is a requisite for all other courses in economics. Students may be excused from this requirement if they demonstrate an adequate understanding of basic economic principles. A competency examination is given annually early in the first semester.

Unless otherwise specified, all courses are open to freshmen.

11. An Introduction to Economics. A study of the central functions and problems of an economic system, of the principles and practices of our

*On leave 1974-75.

†On leave first semester 1974-75.

‡On leave second semester 1974-75.

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economy, and of alternative forms of economic organization and control. One lecture and three hours of discussion per week.

Requisite for all other courses in economics. First semester. Professors Aitken, Bourdon, Kohler (Course Chairman), Staelin, and Westhoff.

11s. An Introduction to Economics. Same course description as Economics 11.

Second semester. Professors Beals, Bourdon, Kohler (Course Chairman), Nicholson, Staelin, and Westhoff.

13. Money, Banking, and National Income. A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production, and prices. Two lectures and two hours of discussion per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Coltery.

14. The Theory of Price. An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Three class hours per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. Second semester. Professor Nicholson.

15. Economic Statistics. A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Three class hours per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Nicholson.

21s. Human Resources. A study of manpower economics and welfare policy in the context of the United States economy with particular attention to the effects of investment in human capital, discrimination, and other economic and political factors on the distribution of income. Three class hours per week.

Requisite: Economics 11. Limited to twenty-five students. Second semester. Professor Bourdon.

23. The Economics of Urban Problems. An inquiry into the nature and causes of the contemporary crisis of urbanized society as evidenced by poverty, slum housing, urban sprawl, traffic congestion, and the pollution of air,

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soil, and water. The theoretical basis for dealing with these problems is developed. Three class hours per week.

Requisite: Economics 11. First semester. Omitted 1975-76. Professor Kohler.

24. The American Economy. An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion per week.

Requisite: Economics 11. Second semester. Professor Nelson.

25. The Regulated American Economy: Public Policy, Pricing, and Corporate Finance. An analysis of the characteristics of the public utilities and transportation enterprises which are subject to special government regulation, directed particularly toward public policy with respect to limitation of profits and control of price discrimination. Consideration is also given to regulation as a substitute for competition. One two-hour seminar per week.

Requisite: Economics 11. First semester. Professor Nelson.

26f. Consumer Behavior. An examination of selected topics which illustrate the ways in which individuals make choices. The course is primarily empirical, but a few theoretical hypotheses are investigated. Particular topics covered vary from year to year depending on the interests of students in the course. Possible subjects for study are: the economics of the family and fertility; labor force behavior of married women; the decision to purchase durable goods and to obtain consumer credit; the economics of life insurance; gambling, consumerism and product safety; and the economics of inheritance. Three class hours per week.

Requisite: Economics 11. First semester. Professor Nicholson.

27. European Economic History. An examination of the economic development of Europe from feudal times to the present with emphasis on the evolution of industrialism. One two-hour seminar per week.

Requisite: Economics 11. First semester. Omitted 1974-75. Professor Aitken.

28. American Economic History. A study of the economic development of the United States from colonial times to the present. Two hours of class work per week, with extensive independent reading.

Requisite: Economics 11. Second semester. Omitted 1974-75.

29. The History of Economic Ideas. An inquiry into the development of economic theory, covering both representatives of the orthodox classical tradi-

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tion and selected economic "heretics" and innovators. Two hours of class work per week, plus extensive independent study.

Requisites: Economics 11 and consent of instructor. First semester. Professor Aitken.

31s. Public Finance. An introduction to the economic analysis of the revenue and expenditure activities of governments. Emphasis is placed on the effects of government policies on the allocation of resources and the distribution of income. Three class hours per week.

Requisite: Economics 11 and either Mathematics 11 or by consent of instructor. Second semester. Professor Westhoff.

32. Problems in Economic History. An advanced seminar in economic history intended primarily to provide further training in analysis, bibliography, and interpretation. One two-hour seminar per week.

Requisites: Consent of instructor and either Economics 27 or Economics 28. Limited to fifteen students. Second semester. Omitted 1974-75. Professor Aitken.

35. The World Economy. An examination of the problems of economic relationships among countries with emphasis on balance-of-payments problems, political and economic problems of trade restrictions, international cooperation, and imperialism. Three class hours per week.

Requisite: Economics 11. Limited to twenty-five students. First semester. Professor Staelin.

36. Economic Development. An examination of the economic problems of less developed countries, with particular reference to the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Staelin.

38. The Economics of Socialism. A study of the theory and practice of planned economies with particular reference to the Soviet Union and Communist China. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Kohler.

46. Empirical Economics. A continuation of Economics 15 (Statistics). Stress is placed on the importance of both econometric techniques and economic theory for the study of real-world economic relationships. Several different subjects which illustrate empirical economic research are examined. These include both microeconomic and macroeconomic topics and are chosen to demonstrate the range of techniques which economists use. Although particular issues examined will vary from year to year, these will usually include examples drawn from: labor market economics, technical progress and

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production, consumer economics, supply and demand for particular goods or services, the evaluation of social programs, and macroeconomic stabilization policy.

Requisite: Economics 15 (or equivalent) and some knowledge of economic theory. Second semester. Professor Beals.

73. Senior Rite Seminar. Required of and restricted to senior *rite* majors in economics. For 1974-75, seniors may substitute Economics 29.

First semester. Professors Nelson and Westhoff.

D74. Senior Rite Seminar. Preparation of a thesis on a topic approved by the Department. A double course.

Open only to seniors majoring in economics who are not candidates for honors. Second semester.

77. Senior Honors Seminar. Required of and restricted to seniors majoring in economics who are candidates for honors. For 1974-75, seniors may substitute Economics 29.

First semester. Professors Nelson and Westhoff.

D78. Senior Honors Seminar. Preparation of a thesis on a topic approved by the Department. A double course. Required of seniors majoring in economics who are candidates for honors.

Second semester.

97, H97, Special Topics. Independent Reading Course. A full course or a half course.

First semester.

98, H98. Special Topics. Independent Reading Course. A full course or a half course.

Second semester.

Education. See page 212.

ENGLISH

Professors Cameron (Chairman), Cody, Craig, DeMott, Guttman, Heath, Marx*, Pritchard and Townsend; Associate Professors Chickering*, So-field*, and Visiting Lecturer Stone; Assistant Professors Bruss, Dassin, O'Connell, Peterson*, and Waller.

*On leave 1974-75.

ENGLISH

Major Program. The English Department acknowledges that a diversity of interests and motives leads students to declare a major in English. Rather than require a particular sequence of courses for all students, the Department prefers to see its responsibility as a contract with the student to provide guidance, criticism and support as the student undertakes responsibility for planning his own course of literary study. Such subjects as literary history, English literature seen in the context of other literatures, literary criticism and theory, literature in various interdisciplinary contexts, linguistics, the teaching of literature, writing and the creative arts, suggest ways of concentrating the study of literature in the Department. Students majoring in English should plan their programs with a view toward realizing a coherent relation between their own interests and the general field of literary studies, drawing upon courses offered by the Department or approved by their advisors. Their programs must consist of English 11 and at least seven other such courses.

Departmental Exercise. Planning and study are concurrent and continuing activities. In order to promote useful conversation between students and their advisors, the Department expects each student to take part each semester in a written departmental exercise designed to raise general questions of literary comprehension within some particular context of literary experience. The same exercise will be proposed for all majors in any given semester and the sequence of exercises will serve as the basis for the Department's comprehensive evaluation of the student.

Senior Tutorial. Students who wish to propose an independent project—usually a written essay or gathering of essays on a literary subject, but other kinds of projects may be approved—may ask for admission to English 77 and 78, the Senior Tutorial. After discussing their plans with their advisor and any other teacher from whom they wish help, students should submit before the end of their Junior year a proposal to the Department for approval and for assignment to a tutor for supervision. At the end of the first semester, the tutor will recommend to the student and the Department whether or not the student should continue with the project for a second semester. Students intending to do a project in verse, fiction, playwriting, or autobiography, must submit a substantial example of their work in this mode at the time they apply for admission to the Senior Tutorial.

Honors Program. Students who wish to be considered for honors at graduation must elect English 77 and 78. Their work in this course will be read and evaluated by a departmental committee and discussed with the student in an interview. The Department will recommend for honors students whose work in the Department shows evidence of distinction; recommendations will take account of independent work in the Senior Tutorial, work in departmental exercises, and work in the courses comprising the student's major program.

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Graduate Study. The English Department does not view its educational mission as primarily the preparation of students for graduate work in English. Students who are interested in graduate work can, however, prepare themselves for such study through sensible planning. They should discuss their interest in graduate work with their advisor so that information about particular graduate programs, deadlines and requirements for admission, the Graduate Record Examinations, the availability of fellowships, and prospects for a professional career can be sought out. Students should note that most graduate programs in English or Comparative Literature require reading competence in two, and in many cases three, foreign languages. Intensive language study programs are available on many campuses during the summer for students who are deficient. To some extent graduate schools permit students to satisfy the requirement concurrently with graduate work.

N.B. The English Department does not grant advanced placement on the basis of College Entrance Examination Board scores.

11. Introduction to English: Reading. Centering on familiar modes of literature but including as well other kinds of writing and expression, the course aims to exercise the student's imagination as a reader and to consider what we learn from what we read. This course is conceived as of interest to students at any level of preparation, including those with a background of advanced literary study in secondary school. It is taught in separate sections which follow a common syllabus; writing assignments are frequent. Three hours of classroom work per week.

Elective for Freshmen. First semester. Professors Bruss, Cameron, Cody, Craig, Dassin, DeMott, Heath, Pritchard (Chairman), Townsend and Waller.

16. Composition. A course of exercise and criticism of the student's own writing. The course is taught in sections of no more than twenty students each. The specific aims and procedures of each section are described separately on a mimeographed sheet available before pre-registration in December. Students intending to elect the course should simply list *English 16* on their program. During pre-registration period in December, students should specify on a form available at the Registrar's office which section of English 16 they prefer, listing any alternative sections they would also accept.

Elective for Freshmen and Sophomores. Second semester. Professors Dassin, Heath, and Waller.

17. Survey of British Literature I: Chaucer to Johnson. The course will seek to illuminate certain themes, forms, events, personages in major texts by major British authors from the Middle Ages through the eighteenth century. Emphasis will be placed on social issues, on the writers' position in society

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and on the ways they imagine social relations in the world in which they live. Three class meetings per week.

Elective for Sophomores. First semester. Professor Townsend.

18. Survey of British Literature II: Blake to the Present. The course will seek to acquaint the student with certain themes, forms, events, ideas, personages, and particular writings which contribute to what might be called the Modern Age in British literature. Three class hours per week.

Elective for Sophomores. Second semester. Professor Cameron.

19s. Film and Writing. Critical questions on the relationship of the two forms, aimed at clarifying the response to both. In the understanding of films, can one go beyond the literary models? A varied selection of films and related writings introducing the work of important makers, writers, and critics. Weekly film viewing, weekly reading, frequent papers, seminar form. Two two-hour meetings per week.

Limited to forty students. Second semester. Professors Cody and Stone.

21. Advanced Composition. A course in disciplined writing. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professor Stone.

22. Advanced Composition. A continuation of English 21. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Professor Stone.

Studies in Creative Writing. See Black Studies 39.

First semester. Professor Sanchez.

23s. Composition: The Resources and Limits of General Discourse. An attempt to put together the language of specialized knowledge with the language of general concern. Frequently assigned short papers will be the main work and supply the main material (class discussions will be based on mimeographed samples of assigned papers). A final longer paper will move from the consideration of a twentieth century autobiographical document (to be selected in conference with the instructor) to an assessment of the student's own intellectual and social life. Two meetings per week.

Elective for Juniors. Limited to fifteen students. Second semester. Professor Craig.

25. Discussions of Literature. Each of these courses is taught specifically as a small discussion section, in which a member of the department undertakes to

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introduce beginning, as well as more experienced students to topics which are of recent and peculiar interest to himself or herself as a continuing student of English, and which are not usually represented in the standard departmental offering. The common aim among them is to refine the student's awareness of what constitutes the study of literature.

Elective for Freshmen, unless otherwise restricted. No student will be permitted to repeat English 25 more than once. Each section is limited to fifteen, except as noted. Students should elect a particular section of the course, listing alternates if desired. Admission will be determined by the instructor of the section.

Requisite: English 11 or the consent of the instructor. First semester.

1. *LITERATURE OF ALIENATION*. An exploration of fiction's attempts to define and convey visions of contemporary reality. Burroughs, Kesey, Michel Bernanos, and others. One two-hour meeting per week. Elective for Sophomores. Professor Stone.

3. *THE LITERATURE OF SOCIAL CRITICISM AND PROPHECY*. An examination of selected American works on society and politics between the Civil War and 1920. Readings will be drawn from social and political science, autobiography, and fiction. The seminar will explore the relationships between one's personal life and the development of a critical stance towards one's society. We will pursue these explorations through reflections on the reading and on our own lives and relationships to contemporary American society. Among the writers and books to be considered are Whitman's *Democratic Vistas*, Henry Adams's *Democracy*, Henry George, W. G. Sumner, Edward Bellamy, Ignatius Donnelly, Emma Goldman, Veblen, Jane Addams, Henry James's *The American Scene*, Randolph Bourne, Van Wyck Brooks, Dewey, Santayana, and Lincoln Steffen's *Autobiography*. Limited to twenty students. Two meetings a week. Professor O'Connell.

5. *THE LITERATURE OF LOGIC AND GAMES*. An approach to the growing body of literature which is based on problem-solving and game participation by readers, rather than, for example, "imitation of life" or "expression of emotion." Primitive forms such as riddle and fable will be considered, as well as works by Aristophanes, Fielding, Melville, Poe, Carroll, Nabokov, Borges, and Beckett, among others. Two meetings per week. Omitted 1974-75. Professor Bruss.

25s. *Discussions of Literature*. Same course description as English 25.

Requisite: English 11 or the consent of the instructor. Elective for Freshmen unless otherwise restricted. Second semester.

2. *WILLIAM BLAKE*. A study of Blake's major works as poems, prophecies and artifacts. Attention will be given to those books of the Bible,

writings of radical theologians, and poems by Milton that are central to Blake's mythological imagination. As far as the availability of materials permits, students will be encouraged to work with facsimiles and slides of the illustrated books. Two meetings a week. Professor Heath.

4. **MEN AND WOMEN IN LITERATURE.** The course will concentrate on the fates of male and female writers and on the differing perspectives of each on male-female relationships. What special difficulties, if any, do women writers face? In what ways do male and female writers view coming of age, romantic love, marriage, political and social life? In what ways, if any, do the quality of their imagination, their style, their choice of form reflect their being male or female? Two class meetings per week. Elective for Sophomores (and Freshmen with the consent of the instructors). Limited to twenty men and twenty women. Professors Bruss and Townsend.

27. **Old English.** This course has three goals. (i) The rapid mastery of Old English (Anglo-Saxon as a language for reading knowledge). Selected prose and short poetry will be read in the original, including *The Wanderer*, *The Seafarer*, *The Dream of the Rood*, *The Battle of Maldon*. Literary awareness of the texts is emphasized over linguistic analysis. (ii) The development of critical imagination and verbal sensitivity in reading poetry. Students will declaim verses and write short critical papers. (iii) An examination of the salient features of Anglo-Saxon culture. A.D. 650-1050, expressed through its literary achievements. This course prepares students to read *Beowulf* in the original. Three class hours per week.

Requisite: Proficiency in a foreign language or consent of the instructor. Elective for Freshmen. First semester. Omitted 1974-75. Professor Chickering.

28. **Beowulf.** A reading of *Beowulf* in the original. Why is it a great poem? How does it test the Anglo-Saxon world-view? Translation, declamation, discussion, short papers. Three class hours per week.

Requisite: English 27 or a reading knowledge of Old English. Elective for Freshmen. Second semester. Omitted 1974-75. Professor Chickering.

29s. **Dante.** *The Divine Comedy* considered as a hybrid of literary forms, an autobiographical epic, which contains and exploits antithetical narrative designs present individually in earlier ancient and medieval works. The course focuses on how Dante achieves this dialectical synthesis of epic and confession, while also combining the pagan and Christian traditions of Western thought. Background readings include selected portions of Virgil's *Aeneid*, St. Augustine's *Confessions*, and, time permitting, more recent examples of the literature of the self (Wordsworth, Dostoevsky, Doris Lessing). All read-

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ings are in English translation, but students who read in Latin or Italian are particularly welcome. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen who have had English 11). Second semester. Professor Waller.

30. Chaucer. Selected major poems will be read in the original. Other English writers, medieval and modern, will also be read. Three class hours per week.

Elective for Freshmen. Second semester. Omitted 1974-75. Professor Chickering.

31s. Shakespeare. A lecture course. Emphasis on Shakespeare's growth as a dramatist. Two meetings a week.

Elective for Sophomores. Second Semester. Professor DeMott.

32. The Mode of Romance. Discussions will be organized around such questions as the kind of fiction that is typical of romance, the problems raised by the presence or absence of referential claims, the differences and similarities between the romance and other narrative modes. Texts include *The Romance of Tristram and Ysolt* by Thomas of Britain, *The Romance of the Rose*, selections from Ariosto's *Orlando Furioso* and Tasso's *Gerusalemme Liberata*, *The Faerie Queene*, *The Tempest*, and *Don Quixote*. All works will be read in English translation. Three class hours per week.

Elective for Sophomores. Omitted 1974-75. Professor Waller.

33. Sixteenth Century Literature. Principal texts and contexts of the European Renaissance and their English literary counterparts, especially in poetry and drama. Topics such as love psychology, humor and idealism, mythology, court society, Machiavellian politics, Puritan religion, scepticism and tragedy, studied in their relation to the works of the major English writers from Wyatt to Shakespeare, including Spenser and Marlowe. Several works of Continental humanism read in translation, including Erasmus (*Praise of Folly*) More (*Utopia*), Castiglione, Machiavelli, Montaigne. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Cody.

34. Seventeenth Century Literature. A critical and historical study of the major poets and playwrights: the poems of Donne, Jonson, Herbert, Marvell, and Milton (*Lycidas*, *Paradise Lost*, *Samson Agonistes*), the plays of Shakespeare (*Much Ado About Nothing*, *King Lear*), Jonson (*The Alchemist*), and Webster (*The Duchess of Malfi*). Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Omitted 1974-75. Professor Sofield.

36. Literature and Society, 1660–1780. Reading of some poetry, prose and drama of the Restoration and eighteenth century.

Elective for Sophomores (and Freshmen with permission of the instructor). Omitted 1974–75.

41. Visionary Writing in England, 1660–1900. A study of selected works of fiction, verse and autobiography by writers who have seen their art as a means of reaching, expressing or creating an alternative reality. Writers to be read in 1974–75 may include Bunyan, Collins and his contemporaries, Blake, Wordsworth and Coleridge, Percy and Mary Shelley, DeQuincey, Byron, Keats, Emily Bronte, Swinburne and the Pre-Raphaelite poets, Hopkins. Some consideration will be given to earlier writers, and students will be encouraged to write one independent paper on a twentieth century visionary. Three hours of classroom work each week.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Professor Heath.

43. Readings in Romantic Poetry. A study of the writings of Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron. Two hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Omitted in 1974–75. Professor Heath.

47. The Nineteenth Century English Novel. A course of readings in representative English novels, mainly of the nineteenth century. The books read vary from year to year from among such writers as the following: Scott, Jane Austen, the Brontes, Thackeray, Dickens, Trollope, George Eliot, Hardy, James and Conrad. Three hours of class per week.

Elective for Sophomores. First semester. Professor Cameron.

49. Henry James. The course is about James as a man writing, not a balanced survey of his work. It takes up James' writing in various modes—novels, stories, autobiography, letters, criticism, accounts of places—with the aim of raising questions about the relation of imagination and experience, both as James himself sees that relation and as it may be seen in his work. One seminar meeting per week.

Limited to fifteen students. Elective for Juniors. First semester. Omitted 1974–75. Professor Cameron.

50. Modern Fiction. Novels read include *The Scarlet and the Black*, *The Brothers Karamazov*, *Swann's Way*, *Ulysses*, *War and Peace*.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Omitted 1974–75. Professor DeMott.

52. Modern and Contemporary Poetry. Readings in British and American poetry 1945–1970: Betjeman, Larkin, Jarrell, Lowell, others. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Omitted 1974–75.

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53. Modern Poetry: 1900–1940. A study of the poetry and relevant prose writings of Hardy, Yeats, Pound, the Georgians and Imagists, D.H. Lawrence, Frost and Eliot.

Elective for Sophomores. First semester. Professor Pritchard.

54. Readings in Modern British Fiction. A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Thomas Hardy, Joseph Conrad, D.H. Lawrence, and James Joyce are the central figures. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Craig.

56. Literary History of the Great War 1914–1918. The limits of literature studied in relation to the event of war: memoir, history, fiction, poetry. The war considered as a problem in English literary history. Some modernists (Pound, Eliot, Lewis, Ford, Lawrence) read as war writers; some war writers (Carrington, Taylor, Graves, Manning, Sassoon, Owen) read as men of letters. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Cody.

57s. English Literature Between the Wars. Developments in poetry, in the novel, and in critical-sociological writing. Among writers to be considered are Shaw, Pound, Ford Madox Ford, Eliot, D.H. Lawrence, Wyndham Lewis, Auden, Evelyn Waugh, Orwell. Three classroom hours per week.

Elective for Sophomores. Limited to twenty students, preference given to those who have had English 53 or 54. Second semester. Professor Pritchard.

58. Modes of Fiction: The English Tradition. A reading of a few key texts: Chaucer's *Troilus and Criseyde*, Shakespeare's *King Lear*, Milton's *Paradise Lost*, George Eliot's *Middlemarch*, and either Joyce's *Ulysses* or Beckett's *Molloy/Malone Dies/The Unnameable*. The intention is to view these works as *fictions*, or imagined worlds, in which an interesting relation can be found between the personal imagination of an important writer, the formal possibilities and limits of a narrative genre (romance, drama, tragedy, epic, novel, encyclopaedic parody, monologue), and the myths of an age. The sequence of discussion should lead to an understanding of the problem of continuity and change in literary history. Students in the course are encouraged to enroll at the same time in English H92 *Ideas about Fiction*. Three class hours per week.

Elective for Juniors. Second semester. Professor Cameron.

59. Readings in English Literature. The topic for 1974–75 will be *Utopias and Anti-Utopias*: a study of some literary expressions of the distinction between fantasy and society, ranging from More's *Utopia* and Swift's *Gulliver's Travels* to various twentieth century examples, and concluding

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with as much of Joyce's *Finnegans Wake* as the class can take. Two class meetings per week.

Elective for Juniors. Limited to fifteen students. First semester. Professor Craig.

61. American Puritanism. The Puritan strain in American writing, including the work of Taylor, Edwards, Franklin, Hawthorne, Emily Dickinson, Henry Adams, Robert Lowell, Faulkner, James Baldwin, Norman O. Brown. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1974-75.

62. American Literature: Cosmopolitans and Provincials. The tension between "European" and "native American" perspectives and techniques in the work of Henry James, Mark Twain, Stevens, Frost, Eliot, Williams, Bellow, Faulkner, and Fitzgerald.

Elective for Sophomores. Second semester. Professor Guttman.

63. Visionary Writers in America. The antinomian strain in American writing from Anne Hutchinson to Allen Ginsberg, including works by Emerson, Whitman, Henry James, Henry Miller, Wallace Stevens, and Norman Mailer.

Elective for Sophomores. First semester. Omitted 1974-75. Professor Peterson.

64. Realism and Naturalism in American Literature. Readings in the work of (among others) Howells, Mark Twain, Henry James, E.A. Robinson, Stein, Crane, Dreiser, and Anderson. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor O'Connell.

65. American Renaissance. A study of major writers of the mid-nineteenth century: Poe, Emerson, Thoreau, Hawthorne and Melville. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Guttman.

66. Race and Ethnicity in American Literature. Racial, ethnic and religious commitments and concerns in American writing, including the work of Wright, Ellison, Baldwin, Henry Roth, Bellow, and Mailer.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor Guttman.

69s. American Culture in Depression and War. A study of literary and artistic responses to the Great Depression and World War II in the novel, documentary writing, poetry, film, and photography. The primary focus of the course will be on literature but with considerable attention to film and photography. Writings by Fitzgerald, Dos Passos, Edmund Wilson, Kenneth

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Burke, Agee, Lowell, Berryman, Jarrell, Mailer, and Bellow. Films of Preston Sturges and Frank Capra; and the photographic work of Evans, Strand, Lange, Bourke-White, and others.

Elective for Sophomores. Second semester. Professor O'Connell.

Black Literature I. See Black Studies 35.

First semester. Professor Sanchez.

Black Literature II. See Black Studies 36.

Second semester. Professor Sanchez.

77. Senior Tutorial. Independent work under the guidance of a tutor assigned by the department. Open to senior English majors with the consent of the department. Students intending to take this course and its continuation, English 78, should submit their proposal to the department secretary before the end of the preceding spring semester. Students intending to do a project in verse, fiction, playwriting, or autobiography, must submit a substantial example of their work in this mode at that time. First semester.

D77. Senior Tutorial. This form of the regular course in independent work for seniors will be approved only in exceptional cases. First semester.

78. Senior Tutorial. A continuation of English 77.

D78. Senior Tutorial. This form of the regular course in independent work for seniors will be approved only in exceptional cases. Second semester.

80. Contemporary Cultural Studies. A seminar course. Topics for 1975 include Gothicism and fantasy (Oates, Vonnegut); modes of the "non-fiction novel" (Hersey, Capote, Mailer, Warhol, Oscar Lewis, Studs Terkel); the anti-novel (Barthelme, Coover, Wurlitzer, Sorrentino); confessional poetry (Lowell, Ginsberg, Plath); and selected contemporary traditionalists in prose and verse (Updike, Bellow, Jarrell, others). One class meeting per week.

Elective for Sophomores. Second semester. Professor DeMott.

82. Communities. A study of communities, particularly as they may exist in small towns, carried out through readings, through field work, and through students' own writings on Amherst, Massachusetts and neighboring towns. Among works to be considered in 1974-75 are: Agee, *Let Us Now Praise Famous Men*; Blythe, *Akenfield*; Anderson, *Winesburg, Ohio*; and Sennett, *The Uses of Disorder*. One two-hour meeting per week.

Elective for Sophomores. Limited to fifteen students. Second semester. Professor Townsend.

84. Literature in Society: The Case of Modern Brazil. An interdisciplinary exploration of contemporary Brazilian culture. Emphasis on recent poetry,

drama and fiction, supplemented by presentation of popular music and *New Cinema* films. Particular attention to the relation between censorship and the arts, literature and other modes of expression. Historical backgrounds; related readings in anthropology, sociology and economics. The course is designed both as an introduction to Brazil and to more general problems of cultural history and criticism: the role of the foreign critic, aesthetics and politics in Latin America, the artist and underdevelopment. In English; knowledge of Portuguese helpful but not required. Three hours of class work per week.

Elective for Freshmen. Second semester. Professor Dassin.

85s. Language and Society. An examination of how social rules and social structures are reflected, maintained, and even created through language. What are the "rules" for carrying on a conversation? What is the relationship between dialects of "Non-standard English" and class values or racial attitudes? Readings from linguistics, sociology, anthropology, and philosophy, with class work to culminate in a field project. Two meetings per week.

Limited to fifteen Amherst students, with up to seven admitted from other colleges. Second semester. Professor Bruss.

Interdisciplinary Perspectives on Language. See Colloquia.

Elective for Freshmen. First semester. Professors Spelman and Bruss.

86. Comedy. Plays by Molière, Congreve, Chekhov, Ibsen, Shaw, Beckett, and Pinter are read in this course. One two-hour meeting per week.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor DeMott.

87. Modern Literary Autobiography. Versions of the self in autobiographical writings, including poems and essays as well as the customary forms, by Edwin Muir, Orwell, Nabokov, J. R. Ackerley, Lillian Hellman, Mary McCarthy, Richard Wright, Lowell, Updike, and Frank Conroy. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Omitted 1974-75. Professor Sofield.

88. Topics in the Novel. The topic has been "Character in the Novel." Novels by Turgenev, Dickens, Flaubert, Dostoevsky, Tolstoy, James, Proust, Woolf, Robbe-Grillet and Beckett are read. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen who have taken English 11) Second semester. Omitted 1974-75. Professor Cameron.

90. Poetry and Criticism. Certain English and American poems and poets will be read and considered in the light of what critics have said about them.

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The interest is in seeing how useful criticism leads to increased appreciation of the poem; also in deciding what useful criticism looks like. Such poets as Shakespeare, Milton, Pope, Wordsworth, Whitman, Wallace Stevens, certain contemporaries. Such critics as Dr. Johnson, Arnold, Eliot, Blackmur, Empson, certain contemporaries.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor Pritchard.

H92. Ideas about Fiction. Writings by Auerbach, Lukacs, Benjamin, Sartre, Barthes, Robbe-Grillet, Empson, Leavis, Blackmur, Burke, Frye, Kermode, Watt, Williams, and others will be read to explore questions which arise concerning the nature of fiction and its relation to personal and social reality from reading and discussion in English 58. For those interested the course might provide a basis for further study in literary theory and criticism. One seminar meeting per week.

Co-requisite: English 58. A half course. Elective for Juniors. Second semester. Professor Cameron.

97, 98. Special Topics. Independent Reading Courses. First and second semesters.

EUROPEAN STUDIES

Advisory Committee: Professors N. Birnbaum, Cheyette (Chairman), Carre, Cody, Giordanetti, Halsted, Kennick, Marshall, Pemberton, Ratté* and White; Associate Professor Chickering*; Assistant Professors Griffiths, Kaplan*, Kent, Kirwin, May, Sofield*, Tiersky, Upton, and Weary.

European studies is a major program which provides opportunity for interdisciplinary study of European culture. Through integrated work in the humanities and social sciences, the major examines a significant portion of the European experience and seeks to define those elements that have given European culture its unity and distinctiveness.

Major Program. The core of the major consists of six courses that will examine a significant portion of European civilization through a variety of disciplines. The student will select these courses in consultation with an appropriate subcommittee of the Program. Of these six courses, two will be independent research and writing during the senior year. In consultation with his subcommittee the student will also select such additional supportive courses as may seem needed to create a coherent and integrated program of study.

*On leave 1974-75.

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In addition, a major will take European Studies 21 and 22 during his sophomore year or as soon as he elects a European Studies major. Save in exceptional circumstances a major will spend at least one semester of his junior year pursuing an approved course of study in Europe. In his senior year a major will elect at least one European Studies colloquium. During the second semester of his senior year he will give an oral presentation to faculty and students in the Program of his independent research and writing in progress.

A major is expected to be able to read creative and scholarly literature in at least one foreign language appropriate to his program.

11. Introduction to European Civilization. In the fall semester 1974-75 the course will examine specific areas of Roman life and thought which have been especially influential in Western civilization. Particular emphasis will be put upon the development of a Roman national consciousness as seen in religion, politics, art, and literature.

First semester. Professor Marshall and members of the Committee.

11s. Introduction to European Civilization. Another version of European Studies 11. In the second semester, discussion and reading will be based on such problems as the search for Utopia, perception in art, and heroes and individuals in the nineteenth century. Students will be encouraged to formulate tentative programs of study with special reference to the resources of Amherst College. Field trips to New York and Boston will be made.

Second semester. Professor Kent and members of the Committee.

21. Readings in the European Tradition. Reading and discussion of a selected number of important works in the European tradition. The works read, to be selected in consultation with the students, will be from Antiquity, the Middle Ages, and the Renaissance. One of two class meetings per week.

Open to Sophomores. Enrollment limited to fifteen students. Required for European Studies majors. First semester. Professors Kennick, and members of the Committee.

22. Readings in the European Tradition. A continuation of European Studies 21. The works to be read will be from the seventeenth to the twentieth centuries. One or two class meetings per week.

Enrollment limited to fifteen students. Required for European Studies majors. Second semester. Professors Carre, Tiersky, and members of the Committee.

32. Religion and Society in Modern Europe. An investigation of the relationship between belief and behaviour in a number of important areas of individual and group action. Topics of inquiry range from the sixteenth to the twentieth centuries and will be selected from among the following: Christianity and capitalism (the Weber thesis); religious reform and the working classes in England; women, family, and Christian ethics; the

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churches and imperialism (the missionary movement); history and theology in the nineteenth century (Biblical criticism and modernism); the churches and Nazi Germany; the Christian-Marxist dialogue and the ecumenical movement.

Second semester. Omitted in 1974-75. Professor Ratté and members of the Committee.

Medieval Civilization. See Colloquia.

First semester. Professors Cheyete, Lewis (U. Mass.) and Switton (Mt. Holyoke).

Currents of Romanticism in France and England. See Colloquia.

Second semester. Professors Trapp and Halsted.

Society and Literature in Eighteenth and Early Nineteenth Century Europe. See Colloquia.

To be offered only once. Limited to 25 students. Reading knowledge of French recommended but not required. Second semester. Professors Gior-danetti and Weary.

Cross-Currents in French and Germany Drama Since World War I. See Colloquia.

Second semester. Professors Pini and White.

Dante. See English 29s.

Elective for Sophomores. Second semester. Professor Waller.

The Mode of Romance. See English 32.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor Waller.

Problems in Criticism and Connoisseurship. See Fine Arts 47s.

Second semester. Professors Kirwin and Pini. (See French 44.)

The French Film: Social Content. See French 44. (Given in conjunction with Fine Arts 47s.)

Second semester. Professors Kirwin and Pini.

77. Independent Research and Writing.

Required of all majors in their senior year. First semester. Members of the Committee.

78. Independent Research and Writing.

Required of all majors in their senior year. Second semester. Members of the Committee.

97. Special Topics. Independent Reading Course. First semester. Members of the Committee.

98. Special Topics. Independent Reading Course. Second semester. Members of the Committee.

FINE ARTS

Professors Schmalz and Trapp (Chairman); Visiting Artist Alvin Smith; Assistant Professors Kirwin, Oxman‡, Sweeney and Upton; Visiting Lecturer Souza; and Mr. Shepard.

Major Program. The Fine Arts major is meant to offer the broadest possible means for developing and integrating a student's historical understanding, practical skills, and critical faculties with regard to the visual arts and their values in society. A major consists of eight courses in Fine Arts of which two will be in the history of art and one in studio. While all students are urged to take FA11 or FA11s, and FA15 or FA15s, these introductory courses are not necessarily required. Unless otherwise stated, all Fine Arts courses are open to freshmen.

A faculty committee composed of an advisor and two additional members of the department will be appointed to guide and evaluate the work of each major. Majors will normally participate in three formal consultations with their faculty committee during their junior and senior years. The first consultation will occur in November of the junior year; the second in September of the senior year; the third, a comprehensive examination, in March of the senior year.

Majors may, with departmental permission, elect a FA77-78 program of individual work as seniors. Likewise, they may include a limited number of courses in other departments of Amherst College or neighboring institutions as partial fulfillment of the major program.

Honors Program. In addition to the above requirements, candidates for honors will, with departmental permission, take FA77-78 during their senior year and present a defense of their completed honors project during the comprehensive examination.

11. Introduction to the History of Art. The development of the major arts in the Western tradition, with special emphasis on the formal and material character of the several visual arts and their interrelationships within the cultures in which they evolved.

First semester. Professor Trapp.

11s. Introduction to the History of Art. A chronologically presented survey of the major Western arts from earliest times to the present. Emphasis is placed upon the changing nature of style and content within sequential cultural contexts, and exercises are designed to introduce the student to basic critical and art-historical methods. Three hours per week.

Second semester. Professor Schmalz.

‡On leave second semester 1974-75.

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15. Introductory Studio. An introduction to the basic principles of art through the study of the visual vocabulary. Studio experiments with a variety of art media. Projects in two and three dimensions. Two three-hour class periods per week. No prior studio experience is required or special talent expected.

Limited to thirty students. First semester. Mr. Sweeney.

15s. Introductory Studio. Same course description as Fine Arts 15.

Limited to thirty students. Second semester. Mr. Sweeney.

16f. Watercolor Painting. An introduction to basic watercolor techniques. The course aims to develop ability to handle the medium confidently and to encourage exploration of its potential for personal expression. Two two-hour studio sessions per week, plus six additional hours of painting time.

Requisite: Fine Arts 15, 15s or a comparable course. Limited to twenty-five students. First semester. Professor Schmalz.

17. Figure Drawing. A series of exercises to introduce fundamental representational problems in drawing, especially of the human figure, and to develop the student's knowledge and skill in the techniques and uses of drawing. Two three-hours meetings per week.

First semester. Mr. Smith.

17s. Figure Drawing. Same course description as Fine Arts 17.

Second semester. Mr. Smith.

19s. Basic Oil Painting. A set of studio projects to explore fundamental techniques in oil painting, with emphasis on figurative composition. Two three-hour meetings per week.

Second semester. Mr. Sweeney.

22f. Three-Dimensional Design. Examination of three-dimensional and structural concepts. Organization of space developed through constructions in a variety of materials. Two three-hour class periods per week.

Limited to twenty-five students. First semester. Professor Oxman.

23. Introductory Sculpture. A studio course designed to explore the basic principles of sculpture. Life and portrait modeling preparatory to individual creation. Aesthetic analysis of works of sculpture. Two three-hour class meetings per week.

Limited to twenty-five students. First semester. Professor Oxman.

24. Intermediate Sculpture. A continuation of Fine Arts 23, with the addition of lost-wax casting. Two three-hour class periods per week.

Requisite: Fine Arts 22 or 23, or permission of the instructor. Limited to twenty-five students. Second semester. Omitted 1974-75. Professor Oxman.

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25s. Introductory Serigraphy. A series of problems designed to provide students with practice in the several basic techniques of silk-screen printing, and to acquaint them with its varied possibilities for original creative expression. Contemporary idioms will be emphasized. Two two-hour studio periods per week, plus additional studio time.

Requisite: Fine Arts 15, 22, or consent of the instructor. Limited to twenty-five students. Second semester. Professor Schmalz.

27. Visiting Artist's Studio. The general tone and character of the course will be determined by the visiting artist. The specific problems and their sequence will be established with the interests of both the visiting artist and his individual students in view. Two afternoon meetings per week plus outside work.

Limited to thirty students with consent of the visiting artist. First semester. Mr. Smith.

28. Visiting Artist's Studio. Same course description as Fine Arts 27.

Limited to thirty students with consent of the visiting artist. Second semester. Mr. Smith.

29. Photographic Vision and Design. An introduction to photography as a means of personal expression—its relationship to the other creative arts; its potential for pointing out historical context, its ability to describe in visual language contemporary culture. Class sessions will involve discussion of aesthetic content, form, and technique. Two afternoon meetings per week, plus outside assignments.

Requisite: Portfolio and consent of the instructor. First semester. Mr. Souza.

29s. Photographic Vision and Design. Same description as Fine Arts 29.

Requisite: Portfolio and consent of the instructor. Second semester. Mr. Souza.

30f. Antiquities in Art. This year the course will focus on the concept of classicism in the visual arts. An analysis of the components constituting the classic norm found in the arts of late sixth to fourth century B.C. Greece will serve as the point of departure for an investigation of the reemergence of classical attitudes in later cultures. Emphasis will be placed on Imperial Rome, Renaissance Italy, and continental Europe from 1600 to 1700. Three hours of classroom work per week.

First semester. Professor Kirwin.

31. Themes in Early Mediaeval Art. A discussion of Christian visual expression from the fourth to the ninth century, from Constantine to Charlemagne, emphasizing the origins and development of Christian themes in painting, sculpture, and mosaic. Three meetings per week.

First semester. Professor Upton.

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32. The Gothic Age. A selective examination of French art of the twelfth and thirteenth centuries, with special emphasis on the construction and sculptural decoration of the major churches from the Abbey of St. Denis to the cathedrals of Chartres, Laon, Paris, Reims, Amiens and Beauvais, including historical, social and religious aspects of Gothic life. Three meetings per week.

Second semester. Professor Upton.

33. Italian Renaissance Art. An examination of life and artistic expression in Tuscany, Rome, and Venice from 1300 to 1550. Particular attention will be paid to the principal architects, painters, and sculptors from Giotto to Michelangelo. Three hours of classroom work per week.

First semester. Professor Kirwin.

34. Baroque Art. A study of the major figures and movements in seventeenth century Italy, Spain, and the Netherlands. Focus will be on the work of Annibale Carracci, Caravaggio, Bernini, Velasquez, Rubens, and Rembrandt.

Second semester. Professor Kirwin.

38. The Origins of the Modern Movement. A selective examination of developments in European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. One seminar meeting per week. Outside reading and written assignments.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Second semester. Omitted 1974-75. Professor Trapp.

Currents of Romanticism in France and England. See Colloquia.

Limited to twenty students with permission of instructors. Second semester. Professors Halsted and Trapp.

39. Modern Art: The Pioneer Years. A selective examination of major figures in the development of avant-garde movements from post-Impressionism to World War II. Two meetings per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. First semester. Omitted 1974-75. Professor Trapp.

40. Modern Art: The Avant-Garde Ethos and Its Adversaries. A selective examination of major figures of the socially oriented movements of the 1920's and 1930's and the diverse responses to earlier twentieth-century innovations in the years following World War II to the present. Two meetings per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Second semester. Professor Trapp.

42. Dutch and Flemish Painting. Realism in painting in the Lowlands from the fifteenth to the seventeenth centuries, with emphasis on the works of

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Jan Van Eyck, Roger van der Weyden, Hugo van der Goes, Bosch, Bruegel, Vermeer, and Rembrandt. Two meetings per week.

Second semester. Professor Upton.

45. Topics in Art History. A critical examination of a variety of historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history. Topic for this year: Bosch and Bruegel. One seminar meeting per week.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of instructor. First semester. Professor Upton.

46. Museum Seminar: American Art. Using the Amherst College Collection as a major source of material, the seminar will investigate developments in nineteenth and early twentieth-century American art. Particular emphasis will be placed on landscape, genre, and still-life painting. One seminar meeting per week.

Requisite: Art 11 or 11s, or permission of the instructor. Limited to twelve students. Second semester. Mr. Shepard.

47s. Problems in Criticism and Connoisseurship. A study of art criticism within historical contexts intended to sharpen visual perception and to establish critical standards. Topic for this year: the Film—the Aesthetic and Social Content of French Film. Given in conjunction with French 44. An inquiry into the content of a number of French films from Cocteau and Renoir to Goddard and Truffaut, with emphasis on the relation of film to other visual arts and to French society. Two-hour viewing session; one and one-half hour joint meeting in English; one-hour seminar for Fine Arts group only, devoted to perusing the critical studies of writers towards the medium in the broader context of artistic expression in Western Europe. All films to be viewed have English sub-titles.

Second semester. Professor Kirwin and Pini. See French 44.

48. Popular Images and Critical Seeing. This course includes lectures and seminar discussions. Its object is to provide understanding and skills which will enable students to make discriminating judgments respecting the kind and quality of "truth" and "falsity" in contemporary visual images. It traces the historical interplay between "high art" and popular images, including photography, in basic themes like love and war, from about 1800 to the present. Special attention is given to limitations of style, continuity of forms, and metamorphoses of meaning. One seminar meeting per week.

Requisite: Fine Arts 11, 11s, or a comparable course, and at least one advanced course in art history or studio practice. Limited to twenty students. Second semester. Omitted 1975-75. Professor Schmalz.

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51. History of Techniques. A survey of the traditional techniques of Western art, emphasizing the relationship between techniques and styles. Native ability is not expected since the object of the course is to achieve understanding of artistic problems rather than to produce works of art. Two two-hour studio periods per week.

Requisite: Fine Arts 11, 11s, or equivalent, or permission of the instructor. Elective for Sophomores. First semester. Professor Schmalz.

77, D77; 78, D78. Conference Course. Preparation of a thesis or completion of a studio project which may be submitted to the Department for consideration for honors.

The student shall with the consent of the Department elect to carry one semester of his conference course as a double course weighted in accordance with the demands of his particular project. Elective for Seniors with the consent of the Department. First and second semesters.

97, H97, 98, H98. Special Studies for Students Majoring in Fine Arts.

Full or half course. First and second semesters. The Department.

French. See page 190.

GEOLOGY

Professors Brophy and Foose; Associate Professor Belt (Chairman); Assistant Professors Murray and Verosub; Drs. Coombs and Isaacson.

Major Program. Course requirements for majoring in geology generally include Geology 11, 21, 32, 34, 41, and 51. (Students with adequate background may be excused from Geology 11.) In addition, each major is encouraged to engage in at least one semester of independent study and research and write a senior thesis. Majors should plan a program to include courses in mathematics, chemistry, physics and/or biology, depending upon their specific interests, preparation and abilities within the field of geology and related sciences.

Students contemplating a major in geology, or whose interests are directed towards geochemistry, geophysics or oceanography, should discuss their interests with the staff as early as possible, in order to elect a proper program of study.

Early in the second semester of the senior year, each major shall take a comprehensive examination, both written and oral. Part I will encompass those subjects considered to form the basic body of knowledge in the sci-

GEOLOGY

ence. Part II will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III will be an oral examination by the staff.

Students proceeding to graduate school should take the Graduate Record Examination early in their senior year and should be aware that some graduate schools require reading proficiency in two languages (usually French, German, or Russian), and attendance at an accredited summer field camp in geology.

Honors Program. For a degree with honors, a student must have demonstrated ability to pursue independent work fruitfully and exhibit a strong motivation to engage in research. A thesis subject should be chosen in the junior year and must be chosen within the first two weeks of the senior year. Geology 77, 78 involves independent research in the field or the laboratory that must be reported in a dissertation of high quality, due in April of the senior year.

Unless otherwise specified, all courses are open to any student having requisite experience.

11. Principles of Geology. Study of the earth and its inhabitants throughout time from the record preserved in the rocks. Review of the processes that denude the earth's land surface (destruction) and those that enlarge the earth's land surfaces (constructional); the origin and distribution of landforms of North America; origin, distribution, and use of natural resources; geologic principles applied to law, engineering, architecture, urban development and industrialization. One all day field trip. Four hours class and two hours laboratory each week.

First semester. Professor Foose and Staff.

11s. Principles of Geology. Same course description as Geology 11.

Second semester. Professor Brophy.

Colloquium in Modern Experimental Science. See Colloquia.

Requisite: Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Tinker, Valberg, and Waggoner.

21. Mineralogy. The crystallography and crystal chemistry of naturally occurring inorganic compounds (minerals). The identification, origin, distribution and use of minerals. Laboratory work includes mineral synthesis, X-ray diffraction, emission spectroscopy, differential thermal analysis. Three hours lecture, one hour directed laboratory.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Brophy.

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22. Geology of the Ocean Basins. Origins of the ocean basins, their depth, shape and configuration; hypotheses of sea-floor spreading and plate tectonics; environments of deposition on the shelf, slope, rise, and abyssal plain; beach and nearshore processes; tides, waves, and currents; dynamics of physical, chemical, and organic changes in the oceans. Three hours class and three hours laboratory, field or seminar each week.

Requisite: Geology 11 or permission of the instructor. Second semester. Professor Foose.

23. Geomorphology and Environmental Geology. The application of geologic principles to a study of water resources, disposal of solid and liquid pollutants, beach erosion, and flood control. Evaluation of natural and man-made factors causing landslides and earthquakes; geologic factors critical to man-made structures, and man's influence on estuaries. Three hours class and three hours laboratory (or field) each week.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Belt.

H25. Optical Mineralogy. The optical properties of isotropic, uniaxial and biaxial minerals in polarized light. Diagnostic optical properties and recognition of the common rock-forming minerals in thin section. Three hours combined laboratory-lecture per week. A half course.

Requisite: Geology 11, or concurrent with Geology 21. First semester. Professors Brophy and Murray.

32. Igneous and Metamorphic Petrology. A study of igneous and metamorphic processes and environments. Application of chemical principles and experimental data to igneous and metamorphic rocks is stressed. Identification, analysis, and mapping of rocks in laboratory and field. Three hours class and four hours laboratory per week.

Requisite: Geology 21 and Geology H25. Second semester. Professor Murray.

34. Sedimentology. A study of modern sediments and sedimentary environments as used for interpreting depositional environments of sedimentary rocks. Emphasis is placed on basic research reports on transportation and dispersal, deposition and primary structures, post-depositional processes and diagenesis. Tectonic framework of sedimentary basins and sedimentary models. Laboratory concentrates on thin sections of sedimentary rocks. Three hours class and three hours laboratory each week.

Requisite: Geology 11. Second semester. Professor Belt.

41. Structural Geology. A descriptive and analytical study of sedimentary, metamorphic, and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will

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be studied and mapped in the field in areas of sedimentary, metamorphic, and igneous rocks during the laboratory. Three hours class and four hours laboratory each week.

Requisite: Geology 32 or permission of the instructor. First semester. Professor Foose.

42. Paleontology. An introduction to invertebrate fossil organisms, their evolution and paleoecologic significance. After a brief study of basic morphology, the student reads key research reports on ontogenetic variation, taxonomic categories, population dynamics, phyletic trends, and paleoecology. Laboratory alternates between seminars on the reading and practical study of invertebrate specimens. Three hours class and three hours laboratory each week. Offered in alternate years.

Requisite: Geology 11 or Biology 13. Second semester. Professor Belt.

43. Geochemistry. In 1974-75, the application of chemical principles to geologic processes and equilibria in water and the aqueous environment will be considered. Basic theories of thermodynamics, equilibrium and mineral stability are used to construct chemical models for such processes as weathering, mineral reactions in surface waters, and the chemical-mass balance of the oceans. Three hours class and three hours laboratory each week.

Topics covered in this course will alternate on a yearly basis. During the year 1975-76, the course will be concerned with the application of thermodynamic considerations to the phase equilibria in two, three, four, and five component systems. Emphasis is placed on the application of recent experiments in the phase relations of selected silicate, silicate-water, and silicate-gas systems to problems of geologic interest. Three hours laboratory each week.

Requisite: Geology 11 and Chemistry 11 or permission of the instructor. First semester. Professor Murray.

45s. Vertebrate Paleontology. The evolution of vertebrates as shown by the study of fossils and the relationship of environment to evolution. Three hours class and four hours laboratory work each week.

Requisite: Geology 11 or Biology 32. Second semester. Dr. Coombs and staff.

46. Economic Geology. Origin, occurrence, distribution, uses, and production of mineral fuels, metalliferous minerals (ore deposits), and industrial minerals (non-metallics). Laboratory devoted to studies of important mining districts, examination of raw materials and their geologic relations, and to a solution of geologic problems related to their occurrence. Three hours class and four hours laboratory each week.

Requisite: Geology 32 and 41. Second semester. Professors Brophy and Foose.

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48. Geophysics. Application of the physical principles of gravity, magnetism, seismic wave propagation, radioactive decay, and heat flow to the interpretation of the structure of the earth's crust and mantle. Geophysical evidence for sea-floor spreading, continental drift, and new global tectonics. Principles of geophysical exploration. Three hours class each week plus occasional laboratory.

Requisite: Geology 11 and Physics 14, or permission of the instructor. Second semester. Professor Verosub.

51. Senior Seminar. A forum in which staff and students will discuss such items as development of the geological sciences, major unsolved geological problems, new methods of geologic measurement, correlation and interpretation. Reporting, speaking and writing skills will be developed.

First semester. The Staff.

77, 78. Geology Honors. Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required.

Elective for seniors who meet the requirements of the honors program. First and second semesters. The Staff.

97, H97, 98, H98. Special Topics. Independent reading or research. A written report will be required. Full or half courses.

Approval of the departmental chairman is required. First and second semesters. The Staff.

GERMAN

Professors White (Chairman); Assistant Professor Leheis; Mrs. Davidson.

Major Program. The major must include the following courses: German 10, 11 or 11s, 21, 23, 26, 35 or 37, 38 or 42, 97 or 98.

A major in German will take a written or oral examination in the seventh week of the second semester of his senior year. A reading list will be provided to aid in the preparation for this examination.

Honors Program. In addition to the courses required for a *rite* major, candidates for honors must complete German 77, 78, and must present a thesis. They are urged to study an ancient or one other modern foreign language.

The aim of honors work in German is to offer the candidate the opportunity (a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work; (b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay; (c) to acquire a general view of the history and development of German literature or language.

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Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

1. Elementary Course. A structural approach to the study of German, with emphasis on syntax as the key to a thorough mastery of the language, and with attention to the skills of listening, speaking, reading, and writing. Four class meetings per week, with individual work in the language laboratory.

First semester. Mrs. Davidson.

3s. Intermediate Course. A continuation of German 1, with increased emphasis on reading of selected texts. Four class meetings per week, with individual work in the language laboratory.

Requisite: German 1 or its equivalent. Second semester. Mrs. Davidson.

5. Advanced Course. Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on comprehension of the spoken language and oral drill. Conducted in German.

Requisite: A satisfactory score in the CEEB Achievement Test. First semester. Professor White.

Freshmen will be assigned to German 1, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.

10. Advanced Composition and Conversation. Practice in free composition in German. Exercises in pronunciation and idiomatic conversation with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Three hours per week. Offered in alternate years.

Requisite: Consent of the instructor. Second semester. Professor White.

11. Introduction to German Literature. Reading and discussion of selected literary texts. This course will be conducted in German. Three hours of classroom work per week.

Requisite: German 3(3s), German 5, or equivalent. Elective for Freshmen. First semester. Professor Leheis.

11s. Introduction to German Literature. Same course description as German 11. Second semester.

Requisite: German 3(3s), German 5, or equivalent. Professor Leheis.

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21. Germany in the Age of Reformation. An examination of literary, political, theological, and artistic events and trends in early sixteenth-century Germany. Close study of selected writings of Martin Luther, Ulrich von Hutten, Thomas Müntzer, and others, including samples of Luther's translation of the Bible. A survey of Reformation history and the Peasants' Revolt, the impact of Gutenberg's invention on history and culture, and the artistic careers of Dürer, Lucas Cranach Sr., Grünewald, Holbein, and others. Conducted in German. Three hours per week.

Requisite: German 11(11s) or equivalent. First semester. Professor White.

23. German Culture of the Eighteenth Century. An exploration of writing and the fine arts in eighteenth-century Germany, with emphasis on drama, fiction, essays, and the interaction of music and language. Selected readings in Gottsched, Winckelmann, Lessing, the younger Goethe, and others. Listening assignments in J. S. Bach, Mozart, and Haydn. Conducted in German. Three hours discussion per week, with occasional outside listening assignments.

Requisite: German 11 or permission of the instructor. First semester. Professor White.

26. Main Currents of 19th-Century German Culture. Studies in philosophy, literature, drama, poetry, and opera. Readings in such representative writers as Hegel, Marx, Wagner, Nietzsche, and Freud. Conducted in German. Three hours discussion per week, with occasional outside listening assignments. To alternate with German 42.

Requisite: German 11(11s) or permission of the instructor. Second semester. Professor ———.

35. Studies in Twentieth Century Prose. Readings in major writers such as Thomas Mann, Franz Kafka, Grass, and Böll. Conducted in English. Students may read in the original or in translation according to their command of the language. Three hours per week. To alternate with German 37. First semester. Omitted 1974-75.

37. German Literature in Translation. Selected works of German literature in a rapid survey from the medieval period to the present. Readings in the original may be assigned for those with sufficient command of the language. Three hours per week. To alternate with German 35.

First semester. Omitted 1974-75.

38. German Drama of the Twentieth Century. Studies in German drama of the period with emphasis on the Expressionists, Brecht, and post-World War II dramatists. Three hours per week. Conducted in German. To alternate with German 40.

Requisite: German 11. Second semester. Omitted 1974-75.

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40. German Poetry of the Twentieth Century. Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, the Expressionists, and post-World War II poets. Three hours per week. Conducted in German. To alternate with German 38.

Requisite: German 11. Second semester. Professor White.

42. Culture and Politics in the Weimar Republic. An exploration of literature, drama, music, and painting in Germany during the period 1918-1933, with emphasis on the interaction of art and politics. Readings, listenings, and viewings of works by such figures as Brecht, Thomas and Heinrich Mann, Tucholsky, Schönberg, Berg, Hindemith, Beckmann, Barlach, and Nolde. Conducted in German. Three hours per week. To alternate with German 26.

Requisite: German 11(11s) or equivalent. Second semester. Omitted 1974-75. Professor White.

Cross Currents in French and German Drama Since World War I. See Colloquia.

Three hours of class work per week; reading knowledge of French or German would be helpful but is not required. Second semester. Professors Pini and White.

77, 78. Honors Course for Seniors.

First and second semesters. The Department.

97. Special Topics. Independent Reading Course.

First semester. The Department.

98. Special Topics. Independent Reading Course.

Second semester.

Greek. See page 104.

HISTORY

Professors Cheyette (Chairman) Czap, Davis*, Gifford, Greenet, Halsted, Hawkins, Petropulos, Ratté* and Ward; Associate Professors Levin, and Moore, and Visiting Associate Professor Weinstein; Assistant Professors Lewandowski and Weary and Visiting Assistant Professor Visiting Professors Burlingame and Professor Emeritus Comager, Simpson Lecturer in History; Professor Emeritus Latham, Distinguished College Lecturer.

*On leave 1974-75.

†On leave first semester 1974-75.

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Major Program. Eight courses are required for a history major. One of these must be History 12, which a student majoring in the department is urged to take during the freshman or sophomore year. The other seven courses may include History 11, one or two semester courses of research culminating in a piece of historical writing, as well as any other departmental course offerings; extra-departmental Amherst College courses which are crosslisted under the history rubric of the catalog; and history courses offered by the four sister institutions. In making his selection, however, the student is expected to take courses in at least two of the following geographical-defined areas: Western Europe, Eastern Europe, the United States and Canada, Latin America, Africa, the Middle East, East Asia, and South Asia, and should focus in considerable depth on a primary field of interest, geographical, chronological, or topical, which he will define in consultation with his departmental advisor. A student, by the middle of his last semester, will be expected to demonstrate to an evaluating committee of the faculty a comprehensive knowledge of his field of primary interest. The mode of the evaluation need not be the same for all the majors within the department, and, indeed, may be designed individually to test the skills each student has developed.

Honors Program. In addition to the two research courses which a student may take as two of his eight required courses, he may, with the approval of the department, take as many as three more semester courses of independent research. The maximum total of five research courses may be spread throughout the junior and senior years, or they may be concentrated within the senior year alone, with as many as three such courses in a single semester. If a student wishes to be considered for the degree with honors, he will present a substantial essay or cluster of related essays which he has worked on during his research course(s). Normally, the level of honors recommended by the department will also depend on the over-all calibre of a student's work in the major.

Unless otherwise specified, all courses are open to freshmen,

11. Introduction to History: World-Historical Studies. The course introduces students to historical studies by concentrating on a major problem in world history which is treated on comparative and cross-cultural lines.

The topic for 1974-75 is the interaction of European and African peoples before, during, and after the period of imperial conquest and colonial rule. Particular attention will be given to Nigeria, Ethiopia, and Algeria, and to the origins and repercussions of the imperial impulse in England and France. Sections and lectures.

First semester. Omitted 1974-75. Professors Gifford and Ratté.

12. Introduction to Historical Study. The second of the Department's introductory courses aims at providing instruction in the reading of history. The

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course centers upon a classic work of historical literature which treats an important era of history and which is especially suited to reveal the characteristics of the historian's task.

In 1974-75, the work will be Marc Bloch's *French Rural History*. The book is first studied in relation to the life and times of its author and the founding of the "*Annales* school" of historical writing. The greater portion of the course is then devoted to several significant problems raised by this book concerning the historical study of nonliterate societies and to the ways in which historians have responded to these problems.

Required of all majors. Majors and prospective majors are advised to take this course as early as possible. Second semester. Professors Cheyette, Czap, and Lewandowski.

21. Medieval and Early Modern Society. Introduction to some of the major themes of western European history, from the fall of Rome through the late seventeenth century. Special attention will be paid to the ways in which westerners have conceived of this part of their past.

First semester. Professor Weary.

22. Eighteenth and Nineteenth Century Europe. Aspects of European history from the French Revolution to the First World War. Emphasis will be placed on the interconnections of ideology with social and political movements. Probable topics are: The Old Regime, the Enlightenment and the outbreak of the French Revolution; the Jacobin Terror; English Liberal Reform (The Reform Bill of 1832, Chartism, and the Anti-Corn Law League); the Revolutions of 1848; Nationalism and the unification movements in Italy and Germany; Utopian and Marxian Socialism; the Paris Commune; the Dreyfus Affair and Imperialism.

This course alternates with History 32. Second semester. Professor Halsted.

23. Europe and the World in the Twentieth Century. Lectures survey relations among governments in war and peace as they have been shaped by social and political transformations within nations. Readings for discussion focus on the relationship between contemporary global and European history the transformation of European society from 1890 to the Versailles settlement; the rise of fascism; the diplomacy of the Second World War; the impact of bipolarity, the loss of colonies, and the extension of the social service state in the 1950s and 1960s. Lectures and sections.

First semester. Omitted 1974-75. Professor Ratté.

25. The Beginnings of European Society. Readings and discussion address (1) the fundamental changes in the ways Europeans conceived of their society and its institutions during the eleventh and twelfth centuries, and (2)

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the radical differences between their assumptions and our own. An introductory course. Two meetings per week.

Elective for freshmen. First semester. Professor Cheyette.

26. The Formation of European Powers. Though designed as a continuation of History 25, this course may be taken separately. Readings and discussion address the manner in which thirteenth, fourteenth, and fifteenth-century Europeans consciously (and unconsciously) shaped their relations with each other in this world and with Being or beings in the next, founding forms of organization that would endure until the nineteenth century. Two meetings per week.

Elective for freshmen. Second semester. Professor Cheyette.

Medieval Civilization. See Colloquia.

First semester. Professor Cheyette, Lewis (U. Mass.), Switton (Mt. Holyoke).

30. Early Modern Europe. An examination of the French Revolution in the context of European constitutional crises of the sixteenth through eighteenth centuries. After a close study of the origins and opening years of the French Revolution, the course will move backwards through time to a consideration of the English Civil Wars, the Revolt of the Catalans, the Fronde, and the Revolt of the Netherlands. Throughout the course stress will be placed upon the similarities between these crises, and upon the fundamental constitutional arrangements of early modern government. The course will conclude with a study of state-building in the early modern period.

Second semester. Professor Weary.

Society and Literature in Eighteenth and Early Nineteenth Century France. See Colloquia.

To be offered only once. Limited to 25 students. Reading knowledge of French recommended but not required. Second semester. Professors Giordanni and Weary.

32. European Thought in the Nineteenth Century. Dominant currents in the history of ideas viewed in their social context, from the Enlightenment to the Aestheticism and Irrationalism of the late nineteenth century. Topics treated will include Romanticism, the varieties of liberalism; Socialism and Anarchism; Nationalism and Racism; and Positivism and the Darwinian Revolution. The course will be conducted without lectures. Classes will be devoted to discussion of the writings of the major nineteenth century intellectual figures.

This course alternates with History 22. Second semester. Omitted 1974-75. Professor Halsted.

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33. Topics in Nineteenth Century European History. Each year it is offered, this seminar will be devoted either to one major topic in the social and political history of the nineteenth century, e.g. the Socialist movement or the revolutions of 1848; or it will concentrate upon the writings of some few leading thinkers, such as Tocqueville, Marx and Mill.

Limited to fifteen students. First semester. Omitted 1974-75. Professor Halsted.

Currents of Romanticism in France and England. See Colloquia.

Second semester. Professors Trapp and Halsted.

35. Victorian Culture and Society. This course will treat aspects of the culture of nineteenth century England as revealed through the works of its great social critics, political and social theorists, novelists and poets, as well as through major historical studies. Students will be expected to attend three or four films in connection with the course.

Limited to twenty-five students. First semester. Professor Halsted.

37s. Darwin: Evolutionary Thought and its Origin and Influence. The seminar will begin with an examination of the Enlightenment origins of evolutionary thought, Lamarck's evolutionary theory, Malthus' views on population, and Lyell's geology. It will then focus on the development of Darwin's thought and will analyze his two main works in detail (*The Origin of Species* and the *Descent of Man*). The rest of the course will trace the variety of influences Darwin's theories had in science, theology, philosophy, political and social theory, psychology, and literature.

Seminar for Juniors and Seniors. Second semester. Professor Burlingame.

38. Topics in Contemporary Intellectual History. The course considers movements of ideas and the works of individual thinkers in relationship to social change and changes in specific intellectual disciplines. In 1975 discussion and papers will focus on the life and work of Sigmund Freud in its relationship to *fin de siècle* culture, the history of psychoanalysis and related movements, and the impact of Freudian thought on the cultural history of Europe and America in the last three generations, with special attention given to literature and social theories and a number of essays in psychohistory.

Requisite: History 23, an equivalent course in another institution, or permission of the instructor. One three-hour seminar meeting each week. Second semester. Omitted 1974-75. Professor Ratté.

39s. Resistance Movements During World War II. A comparative study of total war, social revolution, and international politics, with particular attention to the impact of organized resistance and its diversity of outcome on the contemporary world. With Greece and Yugoslavia as a starting point and

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as objects of common concern, each student will independently research and formally report on a country of his/her choice. Two seventy-five minute meetings a week.

Second semester. Professor Petropulos.

40f. Modern Greece. An examination of modern Greek society from the eighteenth century to the present. Special attention will be given to the regional and international context of modern Greek development and to modern Greek attempts to relate effectively to the ancient and Byzantine past. The last part of the course will focus on the current situation in the light of the historical analysis already undertaken.

First semester. Professor Petropulos.

41. Russia. A History of Russia Until Approximately 1880. An examination of the roots of Russian culture in the Kievan and Muscovite periods; the development of social and political institutions in the Imperial period, including serfdom and bureaucratic absolutism.

First semester. Professor Czap.

42. Russia. A History of Late Imperial and Soviet Russia. Russia during the period of industrialization and constitutional monarchy; the revolutions of 1917; the reestablishment of social order and the development of Russian society under the Communist Party into the 1930s. Emphasis throughout on the development and transformation of social and political structures.

Second semester. Professor Czap.

44f. Topics in Russian History. The Colossus of the North. Readings from the voluminous travel and memorial literature by foreign travelers to Russia. Emphasis on the nineteenth and twentieth centuries. Accounts will be read for their qualities as description, history and social criticism. Representative writers: John Adams, Jeremy Bentham, von Haxthausen, de Custine, von Moltke, John Reed, Theodore Drieser, John Dewey, Bernard Shaw, Bertrand Russell, Jean-Paul Satre, Eleanor Roosevelt, Milovan Djilas, Truman Capote.

First semester. Professor Czap.

45. Modern East Asia and the West. Lectures, readings and class discussion of problems arising from the impact of Western military technology, science, and political philosophy on China, Japan and Korea since 1800. Particular attention is given in the course to differences in China's and Japan's attempts to modernize.

First semester. Professor Moore.

47. Early Japanese History. An introduction to the distinctive ideas and social organization of old Japan before extensive contact with the West. Through lectures, readings, discussion and visual aids, the course will explore

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the origins of the Japanese, Shinto mythology and formation of the early imperial state, Buddhist influence on religious ideas and artistic expression, development of the samurai culture of Zen, tea, and the sword and its reaction to the coming of Christianity in the 16th century, and the thought and society of a "closed-country" during 200 years of enforced isolation from the world and unbroken peace under the rule of samurai warriors in the 17th and 18th centuries.

First semester. Professor Moore.

48. Modern Japan. The course examines Japan's emergence in the 19th century from 200 years of self-imposed isolation, the beginnings of political and economic modernization, and the attempt to find a secure and significant place in a Western-dominated world. Lectures, readings and discussions will focus on conflicting ideas for Japan's modernization, early stages of industrialization, the formation of an emperor-centered modern state and the movement for political democracy, Japanese imperialism in Asia and ultranationalism at home leading to the Pacific War in the 1940s, defeat and post-war reforms, and Japanese society in the 1970s and the search for meaning beyond the God of rising GNP. Japanese guests, visual aids and original sources in English will help students get a direct impression of modern Japan.

Second semester. Professor Moore.

Colloquium in Japanese Cultural History. See Colloquia.

Limited to twenty-five students. Second semester. Professor Moore and Five-College Staff.

51. The Middle East from 600 to 1300 A.D. An historical examination of Islamic civilization, its origins, its nature, and its development. Special attention will be given to the dynamism and diversity of Islamic civilization during this period and to the respective contribution of Arabs, Persians, and Turks to it.

First semester. Professor Petropulos.

52. The Middle East from 1300 to the Present. From the rise of the Ottoman Turks and the formation of the Ottoman empire to the emergence of successor states in nineteenth and twentieth centuries. Topics receiving special attention: changes in the nature of Ottoman state and society, the problems of modernization encountered by Muslim peoples, the contrasting experiences of Arabs and Turks during the twentieth century, and the creation of Israel and the Palestinian problem.

Second semester. Professor Petropulos.

53. The History of Israel. This course will consider aspects of the Jewish experience in modern Europe; the origins and development of Zionism in Europe, American and Palestine before 1939; the Holocaust and the creation

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of the state of Israel; and the political, social and diplomatic history of Israel since 1948. Lectures and seminars.

First semester. Professor Levin.

54. Topics on the Middle East. Each year the course will focus on a single topic of broad range. Papers and discussion. One two-hour sessions per week. When the topic changes, the course may again be taken for credit.

Admission by consent of the instructor. Second semester. Omitted 1974-75. Professor Petropulos.

American Studies: 1840-1880. See American Studies 11.

First semester. The Department. Students may elect American Studies 11 twice for credit.

55. The Roots of Modern America, 1860-1919. Topics include the background of the Civil War, the War and Reconstruction, Indian policy, industrialization, urban growth, immigrant culture, late nineteenth century agrarian and middle class reform movements, working class protest, imperial expansion, the Progressive era, and American intervention in the First World War.

First semester. Professor Weinstein.

57. Seminar in Southern History. Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. To alternate with History 67. First semester. Omitted 1974-75. Professor Hawkins.

58. The Progressive Generation. A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. One seminar meeting weekly.

Second semester. Professor Greene.

61. American Diplomatic History I. A study of the domestic and the international determinants of America's role in world politics from the late eighteenth century to the nineteen twenties. Among the topics to be considered are ideology and foreign policy in the early Republic; the origins and evolution of the Monroe Doctrine; American expansion on this continent and across the Pacific; Theodore Roosevelt and world politics; and war, revolution, and Wilsonian diplomacy. Lectures and sections. Offered in alternate years.

First semester. Omitted 1974-75. Professor Levin.

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62. American Diplomatic History II. A study of the domestic and the international determinants of America's role in world politics from the nineteen twenties to the present. Among the topics to be considered are America's effort to maintain the Versailles world order; the response of New Deal diplomacy to the rise of fascism and the breakdown of the Versailles world order; isolationism, internationalism, and the American entry into World War Two; the origins and early evolution of the Cold War; China, Korea, and the breakdown of bipartisan foreign policy; Eisenhower, Dulles and world politics; and Vietnam, the Third World, and greater power diplomacy under Kennedy, Johnson, and Nixon. Lectures and sections.

Second semester. Professor Levin.

63. American Intellectual History. The class will undertake to rewrite the Constitution of the United States. Students will be assigned, individually or in groups to reconsider the important articles and sections of the Constitution—the powers of Congress and especially the war powers; the powers of the Presidency; the meaning of the impeachment provisions; the role of the Courts and the validity of judicial review; the Bill of Rights with particular attention to Articles I and V; the Fourteenth Amendment; the provisions of Articles 22 and 25 concerning the Presidency; and so forth.

Limited to eighteen students with preference to seniors. First semester. Professor Commager.

65. Community and Individualism in Early America. A study of the tensions between liberal individualism and the bonds of community in the development of American society. The course will focus on tensions within the Puritan communities of New England, the Quaker's "Holy Experiment," the semi-aristocratic society of Virginia, and the experience of the American Revolution.

First semester. Omitted 1974–75. Professor Greene.

66f. Seminar in American Educational History. Selected topics from the colonial period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour meeting weekly.

Limited to fifteen students. First semester. Professor Hawkins.

67s. Race in American History. The course explores thought about race and institutions based on race within the context of American cultural development. Emphasis is on racial orientations of the dominant society rather than experience within various ethnic subsocieties. One one-hour and one two-hour meeting weekly.

Limited to twenty-five students. To alternate with History 57. Second semester. Professor Hawkins.

68. Latin America Since Independence. Political, economic, and social history
Second semester. Professor Hirschberg.

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69s. African History to 1880. A general history of Africa from the Axumite, Nubian and Nile Valley Kingdoms to the nineteenth century. Attention will be given in the lectures to migrational patterns and the emergence of states and imperial systems; the rise of monarchies in the Sudan forest areas and in central Africa; where relevant, consideration will be given to relations between African states and the development of institutions. An essay will be required.

Requisite: Previous course work in the Department of History or the consent of the instructor. Second semester. Professor Gifford.

70. Modern African History. This course will deal with the impact of exploration, missionary activity, European penetration and imperial systems, the Congress of Berlin and the African reaction. Much of the reading is from scholarly journals. An essay will be required.

Second semester. Omitted 1974-75. Professor Davis and the Department.

75. Central and South Africa in the Nineteenth and Twentieth Centuries. An introduction to the evolution of African states and kingdoms in Central and South Africa. Special attention will be given to a study of the emergence of the Zulu and Shona nations. The structure of African states and kingdoms north of the Limpopo River and the effects of British and Dutch policy on African life will also be considered. The policies and tactics of Shaka, the Zulu, Moshesh, and Mkwawa.

Admission by consent of the instructor. First semester. Omitted 1974-75.

77, D77. Independent Research, culminating in one or more pieces of historical writing which may be submitted to the Department for a degree with honors. Normally to be taken as a single course but, with permission of the Department, as a double course as well.

First semester. The Department.

78, D78. Independent Research. Same course description as 77, D77.

Second semester. The Department.

82f. History and Theory. An examination of the concept of recapturing the past, its possible meanings, and its meanings over recent centuries, concluding with an assessment of the implications of late twentieth century structuralism. The historical meanings and values attributed to Time will be central to the course. Included among the readings will be detective stories, historical novels, Burckhardt's and Pater's studies of the Italian Renaissance, Michelet on the Middle Ages, and Vico's *New Science*.

Limited to twenty-five students. First semester. Professors Halsted and Weary.

84. American Constitutional History. A study of the development of American constitutional philosophy from 1787 to the present. Topics will include

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the Federalist and Anti-Federalist theories of the Constitution; the contributions of Marshall and Taney; constitutional problems of slavery, the Civil War, and Reconstruction; the constitutional foundations of American capitalism; laissez-faire and Social Darwinism in constitutional interpretation; the jurisprudence of governmental control of the economy; civil liberties in the twentieth century; the constitutional crisis of 1935-37; constitutional issues in the Nixon Administration. Three class meetings per week.

Second semester. Professor Latham.

85. Introduction to Ancient and Medieval India. In a series of lectures and discussions, this course will survey the socio-economic and cultural history of India from the ancient Vedic and Buddhist periods to the rise of modern Islam. Special emphasis will be given to the mechanisms used by the Mughal Emperors to maintain legitimacy in India in the sixteenth and seventeenth centuries and their subsequent decline in power with the establishment of British rule.

First semester. Omitted 1974-75. (See Anthropology 21.) Professor Lewandowski.

86. Modern India. This course will deal with the social and political implications of British rule in India during the nineteenth and twentieth centuries, and the emergence of India as an independent nation. Lectures, readings and discussions will be particularly concerned with topics such as modernization; the rise of an Indian elite; the growth of regionalism; and migration and urbanization patterns.

Second semester. Professor Lewandowski.

87. Topics in Indian Social History. In 1974-75 this course will examine the conceptual categories used by historians to analyze cities, and within this context will focus on the historical evolution of cities in India. Particular attention will be given to the ways in which Indian cities compare and contrast with urban centers in other societies.

First semester. Professor Lewandowski.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course.

First and second semesters.

RELATED COURSES

African Nationalism. See Black Studies 51.

First semester. Omitted 1974-75.

An Introduction to African Religious Beliefs and Practices. See Black Studies 62b.

First semester. Professor Nketsia.

Elective for Sophomores and Juniors. Second semester. Professor B. Matthews.

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Comparative Slave Systems in Africa and the Americas. See Black Studies 63.
First semester. Omitted 1974-75. Professor Davis.

Indian Civilization. See Anthropology 21.

Elective for Sophomores. First semester. Professors Babb and Lewandowski.

Classical Civilization. See Classics 23.

First semester. Professor Griffiths.

Classical Civilization. See Classics 24.

Second semester. Professor Marshall.

Problems in Greek Civilization. See Classics 32.

Seminar course, restricted to fifteen students. First semester. Professor Griffiths.

Introduction to European Civilization. (Problems in Roman Civilization.) See European Studies 11.

First semester. Professor Marshall.

Religion and Society in Modern Europe. See European Studies 32.

Second semester. Omitted 1974-75. Professor Ratté and members of Committee.

Literature in Society: The Case of Modern Brazil. See English 84.

Elective for Freshmen. Second semester. Professor Dassin.

European Economic History. See Economics 27.

Requisite: Economics 11. First semester. Omitted 1974-75. Professor Aitken.

American Economic History. See Economics 28.

Requisite: Economics 11. Second semester. Omitted 1974-75.

History of Economics. See Economics 29.

Requisites: Economics 11 and consent of instructor. First semester. Professor Aitken.

Problems in Economic History. See Economics 32.

Requisite: Economics 27 or 28 and consent of instructor. Restricted to fifteen students. Second semester. Omitted 1974-75. Professor Aitken.

History of Science. See page 213.

Latin. See page 106.

Latin American Studies. See page 213.

Legal Studies. See page 213.

MATHEMATICS

Professors Bailey, Denton (Chairman) and Mauldon*; Associate Professors Armacost*, and Starr; Assistant Professors Hadlock, Lahr, and Sacerdote. Lecturer, Dussere.

Major Program. The basic minimum course requirements for a major are Mathematics 11, 12, 21, 22, 25, 26, Physics 13, 14 or an alternate approved by the Department, and at least three more courses in mathematics. Students with a strong background in mathematics may be excused from certain courses such as Mathematics 11. It is recommended that such students take the Advanced Placement Examination in Mathematics.

A qualifying examination for honors candidates will be given toward the end of the second semester of their junior year. For other majors, a comprehensive examination will be given during the first seven weeks of the second semester of their senior year.

A student considering a major in mathematics should consult with a member of the Department as early as possible, preferably during his freshman year. This will enable him to arrange a program best suited to his ability and interest, whether it be in mathematics, secondary school teaching, or a non-mathematical career. If possible, he should complete two courses during his freshman year, and he should have completed all required courses by the end of his junior year.

For a student considering graduate study in mathematics, an honors program and a reading knowledge of two foreign languages (usually German,

*On leave 1974-75.

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French or Russian) are extremely desirable. Such a student is advised to take the Graduate Record Examination early in his senior year.

Honors Program. For a degree with honors, the following additional courses are required: Mathematics 42, 43, 77 and 78. Students are admitted to the honors program on the basis of a qualifying examination given during the second semester of their junior year. Before the end of the junior year, an individual thesis topic will be selected by an honors candidate in conference with a member of the Department. After an intensive study of this topic, the candidate will write a report in the form of a thesis which should be original in its presentation of the material, if not in content. All students majoring in mathematics are expected to attend the mathematics colloquium during their junior and senior years, and honors candidates will report to the colloquium on their thesis work during their senior year.

10. Finite Mathematics. A course intended primarily for non-mathematics majors. Emphasis will be placed on topics having applications in the social sciences. Elementary discrete probability theory (counting techniques, independent trials, expected values), elementary matrix algebra with applications to Markov chains, decision theory, simulation, linear programming, and assorted topics in operations research. Four class hours per week.

Elective for Freshmen. Second semester. Professor Hadlock.

11. Introduction to the Calculus. Basic concepts of limits, derivatives, anti-derivatives; applications; the definite integral, simple applications; circular functions and their inverses; logarithms and exponential functions. Four class hours per week.

Elective for Freshmen. First semester. The Department.

11s. Introduction to the Calculus. Same description as Mathematics 11.

Second semester. The Department.

12. Intermediate Calculus. A continuation of Mathematics 11. Conic sections, translation and rotation of axes; hyperbolic functions; methods of integration; applications of integration to arc length, volume and related problems; theory of limits; infinite sequences and series Taylor's theorem and power series expansions; introduction to partial derivatives. Four class hours per week.

Requisite: a grade of C- or better in Mathematics 11 at Amherst College or the consent of the Department. Elective for Freshmen. Second semester. The Department.

12f. Intermediate Calculus. Same description as Mathematics 12.

First semester. The Department.

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18. Nature of Mathematics. An exposition of the nature of mathematics through the study of various topics as the axiomatic method, the foundations of mathematics, cardinal numbers, real numbers, prime numbers, groups and symmetry, non-Euclidean geometry, graph theory and applications of the above. Content varying from year to year. Four class hours per week. Offered in alternate years.

Elective for Freshmen. Second semester. Omitted 1974-75.

21. Multivariable Calculus. Multiple integrals in two and three dimensions; line integrals in the plane; Green's theorem; the Taylor development and extrema of functions of several variables; implicit function theorems; Jacobians. Four class hours per week.

Requisite: A grade of C or better in Mathematics 12 or the consent of the instructor. Elective for Sophomores. First semester. Professors Dussere and Sacerdote.

21s. Multivariable Calculus. Same description as Mathematics 21.

Requisite: Same as Mathematics 21. Elective for Freshmen. Second semester. Professor Dussere.

22. Advanced Calculus. Completeness of the real numbers; topology of n -space including the Bolzano-Weierstrass and Heine-Borel theorems; sequences, properties of functions continuous on sets; infinite series; uniform convergence; Fourier series; surface integrals; divergence theorem; Stokes' theorem. Four class hours per week.

Requisite: Mathematics 21. Elective for Freshmen. Second semester. Professor Starr.

22f. Advanced Calculus. Same description as Mathematics 22.

Requisite: Same as Mathematics 22. Elective for Sophomores. First semester. Omitted 1974-75.

24. Numerical Analysis. Practical computer methods for treating numerical problems, considered in conjunction with relevant theoretical matters and practical application. Topics chosen from: approximation and evaluation of functions, derivatives, and integrals; numerical solution of systems of linear and nonlinear equations, eigenvalue problems, and differential equations; convergence, stability, efficiency, and error analysis of approximation methods; numerical optimization. Four classes per week.

Requisite: Mathematics 12. Elective for Sophomores. Omitted 1974-75. Second semester. Professor Hadlock.

25. Algebra 1. The study of a finite-dimensional abstract vector space and the algebra of linear transformations which act on it, together with the isomorphic algebra of matrices; the dual space, the effect of a change of basis; invariant subspaces, minimal polynomial of a transformation, characteristic vectors, various canonical forms. Four class hours per week

Elective for Sophomores. First semester. Professor Hadlock.

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26. Algebra II. A brief consideration of properties of sets, mappings, and the system of integers, followed by an introduction to the theory of groups and rings including the principal theorems on homomorphisms and the related quotient structures; integral domains, fields; polynomial rings. Four class hours per week.

Requisites: Mathematics 12 and 25. Elective for Sophomores. Second semester. Professor Hadlock.

28. Introduction to Combinatorial Mathematics. A selection of topics from each of the following three divisions—*Enumeration*: permutations, combinations, generating functions, principle of inclusion-exclusion, Polya's theorem; *Existence*: parity arguments, Ramsey's theorem, designs, graph theory; *Applications*.

Elective for Sophomores. Second semester. Omitted 1974-75. Professor Starr.

29. Differential Equations. Elementary methods of solution, theory of linear systems, general existence and uniqueness theorems, geometric theory, stability, application. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Omitted 1974-75. First semester. Professor Hadlock.

30. Mathematical Logic. This course will develop logic from the mathematical point of view. Included will be a discussion of the propositional and predicate calculi, deduction and validity, the completeness and compactness theorem of Gödel, the construction of nonstandard models, and further topics as time permits.

Requisite: consent of instructor. Second semester. Professor Sacerdote.

33. Theory of Numbers. An introduction to the theory of rational integers; divisibility, the unique factorization theorem; congruences, quadratic residues. Selections from the following topics; Diophantine equations; Waring's problem; asymptotic prime number estimates; continued fractions; algebraic integers, unique factorization domains. Four class hours per week. Offered in alternate years.

Elective for Sophomores. First semester. Professor Bailey.

34. Introduction to probability and statistics. Elementary probability, including statements of the law of large numbers and the central limit theorem; joint distribution functions; distribution functions of frequent occurrence in statistics, such as Normal, Poisson; Chi square and Student's t' and their use in hypothesis testing and estimation; roles of the law of large numbers and the central limit theorem in hypothesis testing and estimation (including errors of type I and type II); a brief introduction to non-parametric methods. Four class hours per week.

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Requisite: Mathematics 11. Except with special permission of the departments concerned, this course and Economics 15 may not both be taken for credit. Elective for Freshmen. Second semester. Professor Denton.

34f. Introduction to Probability and Statistics. Same course description as Mathematics 34.

First semester. Professor Lahr.

35. Statistics. Intermediate probability; forms and sketches of proofs of the law of large numbers and the central limit theorem; Neyman-Pearson theory of hypothesis testing and estimation; properties of some parametric and non-parametric tests of wide applicability; introduction to decision theory. Four class hours per week. Offered in alternate years.

Requisite: Mathematics 34. Elective for Sophomores. First semester. Omitted 1974-75. Professor Denton.

42f. Functions of a Complex Variable. An introduction to analytic functions; complex numbers, derivatives, conformal mappings, integrals, Cauchy's theorems; power series, singularities, Laurent series, analytic continuation; Riemann surfaces; special functions. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. First semester. Professor Starr.

43s. Functions of a Real Variable. An introduction to Lebesgue measure and integration; topology of the real numbers, inner and outer measures and measurable sets; the approximation of continuous and measurable functions; the Lebesgue integral and associated convergence theorems; the Fundamental Theorem of Calculus. Four class hours per week.

Requisite: Mathematics 22. Elective for Juniors. Offered second semester in alternate years. Professor Bailey.

44. Topology. An introduction to general topology; the topology of Euclidean, metric and abstract spaces with emphasis on such notions as continuous mappings, compactness, connectedness, completeness, separable spaces, separation axioms, metrizable spaces. Additional topics may be selected to illustrate applications of topology in analysis or to introduce the student briefly to algebraic topology. Four class hours per week. Offered in alternate years.

Requisite: Mathematics 22 or consent of the instructor. Elective for Juniors. Second semester. Professor Lahr.

77. Honors Course.

Elective for Seniors with the consent of the Department. First semester. The Department.

78. Honors Course.

Requisite: Mathematics 77. Second semester. The Department.

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97, H97. **Special Topics.** Independent Reading Course. Full or half course. First semester.

98, H98. **Special Topics.** Independent Reading Course. Full or half course. Second semester.

MUSIC

Professor Mishkin†; Associate Professors McInnes (chairman), and Spratlan; Assistant Professors May and Solie.

Major Program. Prospective music majors should consult the Department as early as possible to plan a course of study which will meet their needs and interests. Concentration may be in music history, theory, composition, or performance. All music majors are strongly advised to elect Music 31–32 and at least one of the following course sequences: 33–34 (Harmony), 69–70 (Composition), or 35–36 (Counterpoint). The *rite* major consists of a minimum of eight semester courses. The *rite* major with concentration in performance consists of a minimum of nine semester courses, including at least six half courses in performance, Music H29–H30.

Honors Program. The honors major should elect the course of study stipulated for the *rite* major plus Music 77–78. The senior project acceptable for honors in music may be an historical or critical thesis, a composition, or a formal recital, dependent upon the student's field of concentration.

11s. Introduction to Music. The elements of musical design; a creative engagement with the problems of the composer and listener. Three class meetings a week.

Elective for Freshmen. Second semester. Professor Solie.

15. Listening. A study of representative works from the history of music. This course does not require previous musical study. Two class meetings and one listening section (to be arranged) a week.

Elective for Freshmen. First semester. Professor May.

21. History of Western Music I. A survey of major composers and stylistic innovations in the Middle Ages and Renaissance (900–1610). Three class meetings per week.

Elective for Sophomores. Offered in alternate years. Omitted 1974–75. Professor May.

22. History of Western Music II. A survey of major composers and stylistic innovations from 1610 to the present. Three class meetings per week.

Elective for Sophomores. Second semester. Professor May.

Performance. To receive academic credit for private instrumental or vocal instruction a student must follow one of the two plans adopted by the Department and register his option in writing with the Music Department before each semester, as well as including the information in his regular registration forms. Advanced students may apply to the Department for full credit.

PLAN I. Under a cooperative arrangement with Smith and Mount Holyoke Colleges performance courses are offered in keyboard, string and wind instruments and in voice. Instruction will be given by members of the Music Departments of Smith and Mount Holyoke Colleges. Course listings, requisites and instructors can be found in the course bulletins of each college. Under Plan I a separate Five College Interchange Course Application is completed by the student for each semester course in performance, listing his instrument and the appropriate Smith or Mount Holyoke course number. These application blanks are available at both the Registrar's and Music Department's offices.

It should be noted that an extra fee is charged to cover a portion of the expense for this special type of instruction. For 1974-75, the fee charged the student for each semester course will be: Smith College, \$150.00; Mount Holyoke College, \$100.00 (1/2 hour lesson) or \$200.00 (1 hour lesson).

Those students who are receiving financial aid will be given additional scholarship grants in the full amount of these fees. Other students may apply to the financial aid office for short-term loans if necessary to enable them to pay their fees on schedule, or they may apply to the Music Department for scholarship aid made possible through grants from the Friends of Music.

PLAN II. Amherst College *Music H29, H30*. In this plan students first consult the Chairman of the Amherst Music Department to make private arrangements for music instruction with teachers accredited by the Department. Students will arrange schedules and fees directly with their instructors, who must be among those approved by the Department. Registration should be under the course listing: Amherst College—*Music H29 or H30*; students should insure that they are also listed with the Music Department Office.

The general regulations for performance instruction under either plan are:

1. Consult the Chairman of the Amherst Music Department who will arrange for teachers, auditions and lesson schedules.
2. One hour of private instruction and nine hours of practice a week are expected.

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3. Unless otherwise arranged with the Department, all performance courses will be elected for one half course (two semester hours).
4. Two performance half courses may be counted as the equivalent of one full course for fulfilling degree requirements. Study for less than two consecutive semesters will not be counted for satisfying degree requirements.
5. A student electing a performance course may carry four and a half courses each semester, or four and a half courses the first and three and a half courses the second semester.
6. Only with special permission of the Department may students elect more than one performance course in a semester.

Requisite: A proficiency of at least intermediate level on the instrument to be studied. Elective for Freshmen with the consent of both the Amherst Music Department and the instructor. This course may be repeated. First and second semesters.

31. Elementary Theory. Basic principles of harmonic and contrapuntal technique. Triads and their inversions, nonharmonic tones, modulations, harmonizations in chorale style. Two class meetings a week and two eartraining sections per week.

Requisite: ability to play all written work and the consent of the instructor. Elective for Freshmen. First semester. Professor Solie.

32. Elementary Theory. A continuation of Music 31. Seventh chords, elementary phrase structure, formal analysis. Two class meetings and two eartraining sections per week.

Requisite: Music 31. Elective for Freshmen. Second semester. Professor Solie.

33. Intermediate Theory I. Classical Harmony. The theory of tonal music as exemplified in the music of Haydn, Mozart, and early Beethoven. An introduction to analytical methodology. Students will analyze works and write pieces modelled on them. Practical exercise in basic musicianship, keyboard harmony, and score reading. Two class meetings and one section (to be arranged) a week.

Requisite: Music 32 or the consent of the instructor. Elective for Sophomores. First semester. Omitted 1974-75. Professor May.

34. Intermediate Theory II. Romantic Harmony. The theory of tonal music as exemplified in music from late Beethoven to Brahms and Wagner. The methodology of linear analysis (Schenker). Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship, keyboard harmony and score reading. Two class meetings and one section (to be arranged) a week.

Requisite: Music 33. Elective for Sophomores. Second semester. Omitted 1974-75. Professor May.

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35. Modal Counterpoint. The theory and practice of music in the sixteenth century as exemplified in the works of Lassus, Palestrina and Byrd. Techniques of melodic and contrapuntal analysis. Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship, sight singing, and score reading. Two class meetings and one section (to be arranged) a week.

Requisite: Music 32 or consent of the instructor. Elective for Sophomores. First semester. Professor May.

36. Tonal Counterpoint. The theory of tonal music as exemplified in the works of Bach. The methodology of motivic and linear analysis (Schenker). Students will analyze works and write pieces modelled on them. Practical exercises in basic musicianship, keyboard harmony, and score reading. Two class meetings and one section (to be arranged) a week.

Requisite: Music 35. Elective for Sophomores. Second semester. Professor May.

42. Bach. The Bach style studied in relation to the development of music since 1600. Two class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Second semester. Professor Mishkin.

44f. Beethoven. A study of the piano, chamber, orchestral and choral music. Three class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Freshmen. First semester. Omitted 1974-75. Professor Spratlan.

45s. Opera. A survey of the stylistic development of the musical drama from 1600 to the present with concentrated investigation of representative works by Handel, Mozart, Verdi, and Wagner. Two class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Second semester. Omitted 1974-75. Professor McInnes. *

46f. Choral Music. A study of the history of choral music from Bach to Stravinsky, including detailed analyses of major compositions of several composers. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. First semester. Professor McInnes.

47. Nineteenth Century Music. Topics in the music of the Romantic era; post-Beethoven chamber and orchestral music; the miniature and the monumental; the effect on musical language of the programmatic idea; nationalism and literary influences; lyric opera and the Music Drama. Two class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. First semester. Omitted 1974-75. Professor Spratlan.

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48. Twentieth Century Music. Analyses of key works by Bartok, Berg, Debussy, Schoenberg, Stravinsky, and Webern and discussion of some recent developments. Three class meetings a week. Offered in alternate years.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Second semester. Omitted 1974-75.

49. Brahms. A study of the piano, chamber, vocal and orchestral music; intensive analyses of major compositions. Three class meetings per week.

Requisite: Music 11 or the consent of the instructor. First semester. Professor Solie.

50. Music in the United States. A study of American musical culture with particular attention to the fusion of European and African elements. Three class meetings a week.

Elective for Freshmen. Second semester. Professor Spratlan.

54. The Concerto in the Nineteenth Century. Its development from the classical ritornello-concerto to the romantic symphony-concerto. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Second semester. Professor Mishkin.

68f. Electronic Music. A study of significant works in the idiom; instruction in tape and synthesizer techniques. Two class meetings per week.

Requisite: Written consent of the instructor. Elective for Sophomores. Enrollment limited to 15 students. First semester. Professor Spratlan.

69. Composition. A course in elementary composition beginning with simple inventions and emphasizing the study of twentieth century techniques. Included in the course will be demonstrations of orchestral instruments. Two meetings a week.

Requisite: Ability to read music. Knowledge of traditional music theory is not required. Elective for Freshmen. First semester. Professor Spratlan.

70. Composition. A continuation of Music 69. Two class meetings a week.

Requisite: Music 69 or Music 31. Elective for Freshmen. Second semester. Professor Spratlan.

71. Composition Seminar. Composition according to the needs and experience of the individual student. Two class meetings a week and private conferences.

Requisite: Consent of the instructor. Elective for Juniors. First semester. Professor Spratlan.

72. Composition Seminar. A continuation of Music 71.

Requisite: Music 71 or the consent of the instructor. Music 71 and 72 may be elected for more than one year. Elective for Juniors. Second semester. Professor Spratlan.

NEUROSCIENCE

77, D77, 78, D78. Conference Course. Advanced work in history, composition or performance for honors candidates. A thesis, a major composition or a formal recital will be required. No student shall elect more than one semester as a double course. A double course or a full course.

Elective for qualified Seniors. First and second semesters.

97, H97. Special Topics. Independent reading course. Full or half course. First semester.

98, H98. Special Topics. Independent reading course. Full or half course. Second semester.

NEUROSCIENCE

Advisory Committee: Professors George, Sorenson, and Waggoner.

A student may receive the B.A. degree from Amherst with an interdepartmental major in neuroscience. This program is designed for those students who wish either to have the breadth of experience this program provides or to prepare for graduate study. The major is organized around course offerings of the various science departments whose disciplines are fundamental to work in neuroscience.

Major Program. Each student, in consultation with a member of the advisory committee, will construct a program that will include a basic grounding in biology, chemistry, physics, and psychology, as well as advanced work in some or all of these disciplines. The program will include:

Physics 13 and 14

Chemistry 11, 12, and 21

Psychology 26f and 38

Biology 21, 30, and 35.

To round out the basic program, each student will choose at least three additional courses from these four disciplines, according to his needs and interests. Courses which may be particularly relevant are Physics 28, Chemistry 23, and Psychology 22.

It is important that a prospective major consult with a member of the advisory committee early in his academic career in order to plan his sequence of basic courses and to determine which advanced courses to select in each discipline. All junior and senior majors will attend the neuroscience seminar where topics of current interest are discussed.

Honors Program: Candidates for the degree with honors should elect Neuroscience 77 and D78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from the various science departments who is willing to direct relevant thesis work.

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The comprehensive examination will be administered by members of the advisory committee.

77, D78. Neuroscience Honors. The work consists of a seminar dealing with problems of current interest in neuroscience and the preparation of a thesis based upon an individual investigation under the direction of a faculty member.

Full course first semester. Double course second semester. The Committee.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course. First and second semesters.

PHILOSOPHY

Professors Epstein and Kennick (chairman), Assistant Professors Kearns and Spelman.

Major Program. Philosophy 17 and 18; at least six other courses within a major program approved by the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination.

Honors Program: Philosophy 17 and 18; at least four other courses in philosophy or closely related fields (e.g. political theory) approved by the Department; and the senior honors sequence, Philosophy 77 and D78, which will be devoted to a special honors project culminating in a thesis or comparable body of writing. Students will be admitted to Philosophy 77 only upon application to the Department. The Department will interview each applicant to determine his qualification for and the advisability of his taking the senior honors sequence. Before the second semester of his senior year, a student admitted to Philosophy 77 will present to the Department, either orally or in writing, evidence of his progress to date in his honors project. If the Department is convinced that his progress has been satisfactory and shows promise of fulfillment, he will be admitted to Philosophy D78; otherwise he will be given credit for Philosophy 77 (assuming that he receives a passing grade in the course), but he will not be admitted to Philosophy D78 and his pursuit of the Honors Program will terminate at this point. The thesis, or comparable body of writing, will be due on May 1.

Comprehensive Examination. Majors will take their comprehensive examination in the third week of the second semester of their junior year. The examination will consist of questions which are distributed to the student two weeks before the examination. Of the total number of questions, some number determined by the Philosophy Department will be answered by each student. The student may choose to do a wholly oral examination, a wholly

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written examination, or a partly oral and partly written examination. He will be required to present an oral explication of any part of his examination that is written. When necessary, the above procedures will be altered appropriately in the case of students who declare their philosophy major late.

11. Introduction to Philosophy. Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

Elective for Freshmen. Each section limited to twenty-five students. First semester. Professors Epstein and Spelman.

11s. Introduction to Philosophy. Same course description as Philosophy 11.

Elective for Freshmen. Each section limited to twenty-five students. Second semester. Professor Kearns.

Mathematical Logic. See Mathematics 30.

Second semester. Professor Sacerdote.

17. History of Ancient and Medieval Philosophy. A survey of European philosophy from 600 B.C. to A.D. 1400, with emphasis on Plato, Aristotle, the Stoics, Epicureans, and Skeptics, Plotinus, Augustine, Anselm, Abelard, and Aquinas. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. First semester. Professor Kennick.

18. History of Early Modern Philosophy. A survey of European philosophy from 1400 to 1800, with emphasis on Bacon, Hobbes, Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. Second semester. Professor Kennick.

19s. History of Nineteenth and Twentieth Century Philosophy. A survey of European philosophy from 1800 to the present, with emphasis on Hegel, Mill, Schopenhauer, Marx, Kierkegaard, Nietzsche, Husserl, Heidegger or Sartre, Russell, and Wittgenstein. Reading and discussion of selected works of the period. Three class hours per week.

Requisite: Philosophy 18 or the consent of the instructor. Elective for Sophomores. Second semester. Professor Kennick.

21. Topics in Philosophy. This course surveys (a) the work of one philosopher, or (b) a period or school of philosophy, or (c) the basic historical writings in a subject not taught in regular courses. This course may be repeated for credit by permission of the Department.

In 1974-75, the topic will be Pragmatism.

Requisite: Permission of instructor. (Suggested: one philosophy course passed with at least a C). Elective for Freshmen. First semester. Professor Epstein.

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21s. Topics in Philosophy. This course is devoted to the study of one work of social philosophy, or one social philosopher, or one school of social philosophy. This course may be repeated for credit by permission of the Department.

In 1974-75, selected topics in legal philosophy.

Requisite: Permission of instructor. (Suggested: one philosophy course passed with at least a C). Elective for Freshmen. Second semester. Professor Kearns.

31s. Aesthetics. A critical examination of selected theories of the nature of art, expression, creativity, artistic truth, aesthetic experience, interpretation and criticism. Special emphasis is placed on the thought of modern philosophers and critics. Three class hours per week.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Omitted 1974-75. Professor Kennick.

32. Metaphysics. A critical examination of selected metaphysical theories in the light of the arguments used to support them. The topics of sample theories include: appearance and reality; sense-data; solipsism; space, time, infinity; universals; the existence of God; the nature of mind.

Topic for 1974-75: the Mind-Brain Identity Theory.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Spelman.

34f. Ethics. A critical examination of representative types of ethical theories (e.g., the ethical theories of Aristotle, Hobbes, Hume, Kant, Mill, Ross, and Sartre) with emphasis on the following topics: (i) social conventions and morality; (ii) moral ideals and moral duties; (iii) self-interest and morality; (iv) relativism and absolutism; and (v) subjectivism and objectivism.

Elective for Freshmen. First semester. Professor Kearns.

35s. Epistemology. A treatment of traditional problems concerning the nature and acquisition of knowledge.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Epstein.

48. Philosophy of Science. In what sense, if any, is Scientific Objectivity possible? The 'standard objectivist' view will be developed from the writings of Nagel, Popper and Scheffler on the distinction between the observational and theoretical levels in science, experimental and theoretical laws, deductive and non-deductive explanation, the reduction of theories. The assault upon the possibility of Scientific Objectivity will be developed from the writings

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of Kuhn, Hanson, Feyerabend and Polanyi on the theory-laden character of observation, critical meaning-shifts induced by changes in theory, the role of "passionate, personal, human appraisals of theories" in the logic of justification and the logic of discovery.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Epstein.

61. Seminar in Philosophy. An examination of the forms and limits of judicial discretion in connection with some of the traditional issues of analytical jurisprudence; e.g., the structure, identity, and existence of legal systems, legal reasoning, and the various connections between law and morality. Selected writings of Bentham, Austin, Holmes, Llewellyn, Fuller, Hart, Dworkin, Raz, and others will be critically examined.

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C). Elective for Juniors. First semester. Omitted 1974-75. Professor Kearns.

62. Seminar: The Concept of Meaning. How and under what conditions do words and sentences have meaning? Is there any adequate description of what *meaning* is? What role do the intentions of speakers play in the assignment of meaning? Do linguistic expressions have to refer to something in order to have a meaning? By what criteria do we determine that two expressions have the same meaning? Would it be possible for a speaker to develop a language with expressions whose meaning only the speaker could understand? Among the philosophers to be read: Alston, Austin, Frege, Grice, Quine, Russell, Searle, Strawson, Wittgenstein.

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C). Elective for Juniors. Second semester. Professor Spelman.

77. Conference Course. Required of candidates for honors in philosophy. The writing of an original essay on a topic chosen by the student and approved by the Department.

Elective for Seniors. First semester. The Department.

D78. Conference Course. Required of candidates for honors in philosophy. A continuation of Philosophy 77. A double course.

Elective for Seniors. Second semester. The Department.

97. Special Topics. Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department.

Requisite: Permission of the instructor. First semester.

98. Special Topics. Independent Reading Course. Same as Philosophy 97.

Requisite: Permission of the instructor. Second semester.

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PHYSICAL EDUCATION

Professors Dunbar, McCabe (Chairman), Ostendarp, Serues and Wilson; Associate Professors Mehr, and Thurston; Assistant Professors Barton, Gooding, Littlefield, and Williams.

The courses in physical education are available to all Amherst College students and members of the College Community. *All courses are elective* and although there is no academic credit offered, there is *transcript notation* given for successful completion of a course.

Courses are offered on a quarter basis, two courses per semester, and four courses within the academic year. Classes are offered on the same time schedule as all academic courses.

In an attempt to meet the needs and interests of the individual student, the program is offered in two parts:

1. **Physical Education Courses.** In these courses, the basic skills, rules and strategy of the activity are instructed and practiced. This program emphasizes individual activities which have a carry-over value for lifelong recreational pursuits.
2. **Recreational Program.** This has been made a new division within the Department and it consists of two parts:
 - (a) **Organized Recreational Classes**, in which team sports are organized, played, taught and supervised by Physical Education Department personnel, and
 - (b) **Free Recreational Scheduling**, where the Department schedules, maintains and supervises facilities and activities for members of the College Community, i.e., recreational golf, skating, squash, swimming and tennis.

A detailed brochure concerning the Department's program is available from the Department of Physical Education.

PHYSICS

Professors Benson, Dempsey*, Gordon (Chairman), Romer, and Towne*; Assistant Professors Peterson, Tinker, Valberg†, and Verosub.

Major Program. The minimum course requirements for a major in physics are as follows: Mathematics 11, 12, 21; Physics 13, 14, 23, 26, 27, 28 and 36.

*On leave 1974-75.

†On leave first semester 1974-75.

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In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. Majors will be required to demonstrate ability in computer programming on the College's IBM 1130 or on the APL terminals of the CDC 3600 at the University of Massachusetts. Students should consult the Department for information concerning the various ways this requirement can be satisfied. Senior majors must pass a written comprehensive examination.

Honors Program. The course requirements for a major with honors are the specific courses listed above, plus Physics 58, 77 and 78. (For students intending to make a career in physics, Physics 73 and 75 and at least one additional mathematics course are recommended.) At the end of the first semester of the senior year, the student's progress on his honors problem will determine the advisability of his being allowed to continue the honors program.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as geophysics, biophysics, or neurosciences, or a nonscientific career. Mathematics 11 should be taken during the first semester of freshman year by anyone contemplating an honors major, and in any event no later than the second semester. Prospective physics majors should plan to take Physics 26 at the earliest convenient time. It should be noted that, at the discretion of the instructor, stated prerequisites may be waived if warranted by individual circumstances.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, geomagnetism, environmental studies, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, x-rays, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct, and assemble his experimental equipment, to perform experiments, and finally, to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examination.

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The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

Physics 11 and Physics 12 have been designed to provide non-science majors with an understanding of the revolution in physical concepts that has occurred in this century. Although both courses are necessary to obtain a complete picture, either may be taken separately with benefit. No previous experience in physics is necessary. The level of mathematics expected of the student is high school algebra.

11. The Rise of Twentieth Century Physics. An investigation of Special Relativity, in particular how the failure to detect absolute space forced upon the physicist a revision of most of his ideas concerning space and time. Three class hours per week and occasional laboratories.

Elective for Freshmen. First semester. Professor Verosub.

12. The Rise of Twentieth Century Physics. A brief survey of General Relativity (Equivalence Principle, Mach's Principle), followed by the background and development of Quantum Mechanics (Wave-particle duality, Indeterminism). Three class hours per week and occasional laboratories.

Elective for Freshmen. Second semester. Professor Verosub.

Colloquium in Modern Experimental Science. See Colloquia.

Requisite: Permission of the course chairman: Elective for Juniors and Seniors who have completed at least three semester courses toward a major in biology, chemistry, geology or physics. Limited to fifteen students. Second semester. Professors Benson (Course Chairman), Brophy, Fisher, Godchaux, Hove, Valberg and Waggoner.

13. Introductory Physics. A coherent and unified analysis of the motion of objects and the causes of motion. From Newton's laws of motion and the conservation of linear momentum an integrated mathematical framework is synthesized for investigating linear motion, rotational motion, universal gravitation, and Bohr's theory of the hydrogen atom. The conservation principles for linear momentum, angular momentum, and energy are carefully characterized and then used to provide elegant simplification in specific problems of motion. Emphasis is placed on the fundamental nature and wide applicability of Newtonian mechanics. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Mathematics 11 or its equivalent. Elective for Freshmen. (Students who have not had high school physics should consult with the Department and may be advised to take some other science course before entering Physics 13.) First semester. Professors Romer (Course Chairman), and Peterson.

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13s. Introductory Physics. Same course description as Physics 13.
Second semester. Professors Peterson (Course Chairman) and Valberg.

14. Introductory Physics (second part). Development of elementary field concepts of electricity and magnetism; simple d-c and a-c electrical circuits. Transient and steady-state response of both mechanical and electrical resonant systems. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Physics 13 or 13s. Elective for Freshmen. Second semester. Professors Benson (Course Chairman), Romer, and Tinker.

14f. Introductory Physics (second part). Same course description as Physics 14.

First semester. Professor Benson.

Colloquium in Environmental Chemistry and Physics. See Colloquia.

Enrollment is limited; permission of the instructors required. Second semester.

18. Science and Technology in Contemporary Society. A study of science and technology and their impact on contemporary American politics and society. Topic areas: the nature of science and technology; the interplay of politics and technology; theories of the evolution of technological societies; alternative public policies dealing with technology. Such concepts as "alienation," "erosion of intermediate institutions," "end of ideology," and "the emergence of post-industrial society" will be examined. The interaction of science and politics will be examined in case studies concerning the military-industrial complex, ecology, and education.

Elective for Sophomores. Limited to fifteen students. Second semester. Professor Tinker.

The Natural Science of the Human Organism. See Colloquia.

Requisite: Satisfactory performance in a previous college-level natural science course. Physics 13 and 14 are strongly recommended for an in-depth approach to the subject. Alternate qualifications such as high school physics, chemistry, or biology course should be discussed with the instructors. First semester. Omitted 1974-75.

23. Modern Physics. Relativistic kinematics and dynamics: Lorentz transformation, conservation laws of momentum and mass-energy, the Lorentz force law. Photons: the photoelectric and Compton effects, pair production. Matter waves: the de Broglie relation, Bragg reflection. Heisenberg's uncertainty principle. Particle detectors and accelerators. Nuclear structure: Alpha, beta and gamma decay, discovery of the neutron and the neutrino, natural radioactivity. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

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Requisite: Physics 14. Elective for Sophomores. First semester. Professor Gordon.

26. Mechanics. Newtonian mechanics of particles and systems of particles, including rigid bodies. Elementary vector analysis and potential theory, central forces, the two-body problem, collisions, moving reference frames, and—time permitting—an introduction to Lagrangian methods are discussed. Special emphasis is placed on oscillatory phenomena. Four class hours per week.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Second semester. Professor Peterson.

27. Wave Phenomena. General characteristics of wave motion approached through the wave equation and the solution to boundary value problems. Energy relationships, diffraction, interference, reflection, refraction and polarization. Normal modes and eigenfunction expansions. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its application in the two fields. Four class hours per week and occasional laboratories.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s, Physics 26, or consent of the instructor. Elective for Sophomores. First semester. Professor Tinker.

28. Electrical Measurements and Electronics. Laboratory work dealing with electrical and magnetic measurements, d-c, and a-c circuits, transistor electronics. Emphasis is placed on actual laboratory investigation with special attention to transistor circuits. In special cases experiments may be selected to fit the needs of individual students. Two hours of lecture and two three-hour laboratories per week.

Requisite: Physics 14 or 14f. Elective for Sophomores. Second semester. Professor Valberg.

28f. Electrical Measurements and Electronics. Same course description as Physics 28.

Elective for Sophomores. First semester. Professor Tinker.

36. Quantum and Thermal Physics. Blackbody radiation. Wave-particle duality and Heisenberg uncertainty principle. Basic postulates of Quantum Mechanics, Schroedinger equation and wave functions. Solutions for one dimensional systems. Introduction to thermodynamics and statistical physics. Application of Quantum Mechanics to atomic and solid state physics. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

Requisites: Physics 23, 26, 27, or equivalents. Elective for Juniors. Second semester. Professor Gordon.

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58. Electromagnetic Theory. A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's theorem, electromagnetic waves, radiation from an accelerated charge. Four class hours per week.

Requisite: Physics 23, 26, and 27, or consent of the instructor. Second semester. Professor Romer.

73. Analytical Dynamics and Wave Mechanics. Lagrangian and Hamiltonian formulation of classical mechanics. Calculus of variations and Fourier integral analysis. Quantum mechanical expectation values, Ehrenfest's theorem, uncertainty principles. Eigenfunctions of square potentials, harmonic oscillator, hydrogen atom. Four class hours per week.

Requisites: Physics 36. Elective for Juniors. First semester Professor Peterson.

75. Thermodynamics and Statistical Mechanics. First, second and third laws of thermodynamics with applications to various physical systems. Phase transitions. Applications to low temperature physics, including superconductors and liquid helium. Introductory kinetic theory and statistical mechanics. Applications of Fermi-Dirac and Bose-Einstein statistics. Four class hours per week.

Requisites: Physics 36, or consent of instructor. First semester. Omitted 1974-75. Professor Peterson.

77. Honors Course. Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Designed for honors candidates, but open to other advanced students with the consent of the Department. First semester. The Department.

78, D78, Honors Course. Same course description as Physics 77. A single or a double course.

Requisite: Physics 77. Second semester. The Department.

97, H97, 98, H98. Special Topics. Independent Reading Course. Full or half course.

First and second semesters.

POLITICAL SCIENCE

Professors Kateb (Chairman), and Zieglert; Associate Professors Arkes and W. Taubman*; and Assistant Professors Hartford, Sarat, and Tiersky. Professor Emeritus Latham, Distinguished College Lecturer.

*On leave 1974-75.

†On leave first semester 1974-75.

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Major Program. A major in political science consists of nine courses in political science. Political Science 11 or 11s is a prerequisite for all majors.

There are four major study areas within the Department as follows: American government, comparative politics, international relations, and political theory. The *basic courses* in each of these divisions are, respectively, Political Science 21s; Political Science 25; Political Science 26; and Political Science 28.

Rite majors are required to take Political Science 75 in the senior year.

All majors in political science may be required to pass a comprehensive examination in political science. This examination will cover the discipline as a whole and will be written or oral or both written and oral as the Department may prescribe.

Honors Program. The honors program is designed to provide qualified students in political science with full opportunity for independent research and writing. Candidates for honors in political science will take Political Science D77 and 78. A cumulative average of 9 is required for admission to the honors program.

11. Introduction to Political Science. A study of the place of politics in human life. Attention will be given to such topics as the relations between politics and human nature, the use of politics in achieving real and unreal ends, and the reasons political style and methods vary. Three class meetings per week.

First semester. Professor Kateb.

11s. Introduction to Political Science. Same description as above.

Second semester. Omitted 1974-75. Professor Kateb.

21s. American Government. An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in relation to constitutional government, federalism, suffrage, governmental functions, etc. Four class meetings per week.

Second semester. Professor Arkes.

22f. Law, Politics and Society. An examination of the relationship of the American legal system and certain critical social and political processes. The courses will focus on law as a mechanism of social choice and investigate the way in which the operation of the legal system contributes to/or erodes social and political inequalities. Attention will be given to the way in which legal decision makers behave, the value premises underlying American legal culture and to specific legal roles and institutions including trial courts, lawyers and law enforcement agencies. The course will be designed to help students develop a perspective which will be useful in analyzing the potential and limitations of law as an instrument of social and political change.

Elective for Freshmen. First semester. Professor Sarat.

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23. Political Obligations. The course will consider the grounds on which one can claim to be free from obligations that run counter to one's own opinion or the sense of one's own good—or, on the other hand, the grounds on which one may be obligated to accept restraints on one's personal life or support policies with which one deeply disagrees. The arguments will be tested against the problems of war, abortion, privacy, censorship, suicide, and the obligation to rescue; and the task in all cases will be to force a confrontation between the standards one would use in judging individuals (including oneself) and the standards one would insist upon in judging the morality of public policy.

Elective for Freshmen. First semester. Professor Arkes.

25. Comparative European Politics. An introduction to the government and politics of France, Britain, Germany and the Soviet Union. The focus of the course is the historical emergence of central conflicts and political forces in the transition from traditional to modern societies, leading to the following two questions: What have been the determinants of gradual and revolutionary change in the transformation of Europe? What are the dominant configurations of political problems and forces in Europe today? Three class meetings per week.

First semester. Professor Tiersky.

26. World Politics. International conflict and cooperation in historical and contemporary perspective. The struggle for power, the search for order and the limits of each. Special attention will be given to the making of American foreign policy, and to the role of the United States in contemporary world affairs. Three class meetings per week.

Second semester. Omitted 1974–75. Professor Taubman.

27s. Communism and Soviet Politics. Theory and practice. Ideology and utopia. Totalitarianism and modernization. Marxism, Leninism, Stalinism, Revisionism. The course will be centered around an examination of Soviet politics, but will make reference as well to East European, Chinese and Cuban developments. Two meeting per week.

Second semester. Omitted 1974–75. Professor Taubman.

28. Political Theory from Hobbes to the Present. A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Three class meetings per week.

Second semester. Professor Kateb.

31. Politics and Parties. An analysis of the place of the political party in the modern political system. Primary emphasis is given to party as a factor in defining the character of the political regime: party as a reflector and modifier of legal institutions; the effect of party on voting and legislative behavior; the relations among parties, bureaucracy, and outside groups; the

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economic and social consequences of party structure. The principal focus will be on American politics, but comparative materials will also be drawn from European and non-Western countries. Three class meetings per week.

First semester. Professor Arkes.

32. Urban Politics. The city as a theater of politics, which may raise in a sharper form some of the older questions of political theory. The course is organized around the axes defined by the tension between the city as marketplace and the city as polity: the scene of diversity and rich personal choice, against the claims of community and political obligation; the insistence on libertarianism and personal option, against the commitments to welfare and racial integration; the confrontation of groups and the restraints of civility; the toleration of difference and the regulation of vice. In following out the implications of the argument, the course will deal also with power structures and political machines; urban disorders; and the problems of education and housing.

Requisite: Consent of the instructor. Not open to Freshmen. Second semester. Omitted 1974-75. Professor Arkes.

33s. Public Opinion. The course will focus on the problem of political legitimacy, and will examine the place of this concept in democratic political theory. The central thrust will be to determine whether public evaluations of politics are ever guided by considerations of legitimacy and, if so, how such considerations complement or conflict with the utilitarian bases of opinion. Attention will be given to such topics as the development of legitimating ideologies, the way public attitudes accommodate and respond to political events, and the way in which public opinion influences the operation of political institutions.

Second semester. Professor Sarat.

34. Politics in Advanced Nations: From Industrial to Post-Industrial Society. An inquiry into the nature of modern societies, exploring the tensions between two divergent theories of political and social development: that based on the *feudalism, capitalism, socialism* schema, and that based on the *agrarian, industrial and post-industrial* schema; or, in other words, Marxist and non-Marxist theory. The course considers, in particular, problems of the location of political power, dilemmas of policy, the question of cultural transformation, the theory of convergence, and the north/south conflict of rich and poor nations as a whole. Insofar as possible, the "cases" range across the spectrum of advanced societies, including the United States, Western Europe, the Soviet Union and Japan. This course is a complement to Political Science 25, Comparative European Politics. The latter course is not, however, a prerequisite. Two class meetings per week.

Second semester. Professor Tiersky.

41. The American Constitution. The philosophy and principles of the American Constitution under two broad categories—the powers of the govern-

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ment and the rights of the people. The principal materials of the course are cases in constitutional law decided by the Supreme Court of the United States. The purpose of the course is to provide an opportunity for each student to appraise for himself the moral and policy considerations at stake in Supreme Court adjudications. Topics will include the doctrines of judicial review and the separation of powers; the powers of Congress to legislate and to conduct investigations; the powers of the President in domestic and international affairs; franchise and reapportionment questions; the origins and development of the concept of due process; the extension of the Bill of Rights to the states; freedom of speech, press, and assembly; freedom of religion; and Equal Protection. Three class meetings per week.

First semester. Omitted 1974-75. Professor Latham.

42. Judicial Process and Policy Making. An examination of the operation of the judicial system in the United States. The role of courts in dispute settlement, social control and social change will be given special attention. Theoretical and empirical material drawn from the social sciences will be supplemented by an examination of selected case materials. The course will deal with the problems which courts at different levels of the judiciary are called upon to handle and the characteristics which distinguish judicial policy making from policy making in other branches in government.

Second semester. Professor Sarat.

43s. Bureaucracy and Modern Society. Bureaucracy as the center of the problem of politics in modern society. Topics will include bureaucracy as a system of domination; the social preconditions and consequences of bureaucratization; the relation of administrative agencies to interest groups and political parties; and the administrative structure as a reflection of the culture and the political regime. Case studies on American bureaucracy will be used as a basis for cross-national comparisons. The inquiry will respond to the concerns about bureaucratic power and social organizations that have been raised by such writers as Marx, Weber, Tocqueville, and Gandhi, as well as contemporary social scientists. Three class meetings per week.

Second semester. Professor Arkes.

44f. Politics in Developing Nations. An examination of the role of politics in the process of modernization in the developing nations, with special emphasis on comparison of the different approaches to political modernization taken by socialist and non-socialist nations. Attention is given to such topics as the legacy of colonialism, the fragmenting and integrating influences of traditionalism and nationalism, the strengths and weaknesses of the single party system, the importance of elites and ideologies, the role of the military and bureaucracy, the problems of managing economic development, and the sources of stability and revolution.

Three class meetings per week. First semester. Professor Hartford.

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45s. Chinese Politics. An overview of the interplay of politics and social institutions in China from 1840 to the present, with emphasis on the People's Republic of China. The course will pursue two major themes: the origins and growth of revolution in China, and the ongoing conflict between mobilizing and bureaucratic strategies for development which culminated in the Cultural Revolution. Post-Cultural Revolution developments which continue to reflect on the second theme will be examined.

Three class meetings per week. Second semester. Professor Hartford.

47s. Political Freedom under the Constitution. The philosophy and law of the First Amendment and other provisions of the Constitution relating to the powers of the people, and their importance in effecting social change. Topics will include the principles of free expression and association; advocacy of social change and membership in subversive organizations; loyalty oaths and other security measures; the weight to be given the values of law and order in sit-ins, symbolic speech, mass protests and demonstrations; legislative investigations of political beliefs; racial discrimination and equal protection; the franchise, apportionment, and poll taxes; the freedom of the press and the "right of the people to know"; criticism of public officials; official secrecy and official surveillance; and emerging rights of privacy, travel, and dissent. The reading will include Supreme Court cases, and historical materials on the Alien and Sedition Acts, civil liberties during the Civil War and the two world wars, Red scares after the two world wars, McCarthyism, the Cold War, and the Supreme Court. Three class meetings per week.

Second semester. Omitted 1974-75. Professor Latham.

48. American Political Thought. A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Three class meetings per week.

Second semester. Omitted 1974-75. Professor Kateb.

49. Political Theory from Plato to Machiavelli. A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three class meetings per week.

First semester. Omitted 1974-75. Professor Kateb.

54f. Problems of Political Change and Political Order. The political means for changing major processes of society are examined in a comparative perspective. Intensive study of a single broad topic, varying from year to year. The special topic for 1974-1975 will be "Political Leadership." The basic orientation is toward the balance of innovative leadership and organizational structures in different situations and within different societies.

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Consideration may be given, according to the interests of the seminar members, to such topics as the psychology of leadership, charisma and personalism, elitism, crisis leadership, social origins and recruitment of leaders, leadership style, and its relationship to its group or institutional context, and experiments in non-bureaucratic organization.

Limited to fifteen students, with the consent of the instructor. First semester. Professor Hartford.

55s. Town and Countryside. Urbanization is studied as a nation-wide as well as a local process. Emphasis falls upon the developing nations, in inquiring into the political and socio-economic changes drawing ruralites into a national network, the changing functions of intermediate and higher level central places, the effects of urban-rural relationships on the formation of social movements and the progress of modernization, and the transference of rural social institutions to urban settings. Depending upon the interests of seminar members, attention may be devoted in the final weeks to urban-rural relationships in industrialized nations.

Limited to fifteen students, with the consent of the instructor. Second semester. Professor Hartford.

57. Problems of International Politics. Intensive study of a single topic varying from year to year.

Admission with the consent of the instructor. First semester. Omitted 1974-75. Professor Taubman.

59. Contemporary Political Thought. A study of some of the major writers who have tried to come to terms with the political features of modernity. Among those read are the radical romantics; the existentialists; the inheritors of Marx and Freud; and the positivists and their enemies. Conference course.

Admission with the consent of the instructor. First semester. Omitted 1974-75. Professor Kateb.

75. Senior Rite Seminar. The subject of the course in Fall 1974 will be "Criminal Justice in America." The relationship of the system of criminal justice and the structure of American legal values will be discussed. Particular emphasis will be given to the place of legal "fictions" in the operation and the administration of the criminal law and to the problem of identifying and explaining disparities between the theory and practice of American criminal justice. Additionally, attention will be given to such topics as the relationship of police discretion and the "rule of law," plea bargaining and the presumption of innocence, adversariness and the efficiency of the criminal justice system and, finally, the threat of sanctions and alternative mechanisms of social control. Other students than *rite* majors may also take the course with the consent of the instructor.

First semester. Professor Sarat.

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D77-78. Honors Course. Double course, full course: totaling three full courses.

Elective for Seniors who have satisfied the necessary requirements. First and second semesters. The Department.

97. Special Topics.

First semester.

98. Special Topics.

Second semester.

PSYCHOLOGY

Professors Coplin† (Chairperson) and Olver (Acting Chairperson, Second Semester); Associate Professor Grose; and Assistant Professors Heyduk, Sorenson, and Weigel.

Major Program. Students majoring in psychology are required to elect eight full courses in psychology. On occasion, in consultation with the department, a student may include one or two courses in closely allied fields in his major program.

Psychology 11 is required of all majors. Psychology 22 and 23 (or comparable research experience) are strongly recommended for all majors and are required of honors students.

All senior psychology majors are expected to attend the senior seminar which will explore contemporary topics in psychology. The comprehensive examination given to all majors during the senior year will be planned in conjunction with this seminar.

Honors Program. Honors work consists of conducting a research project and taking an oral examination based upon a written thesis. Honor students elect Psychology 77 and 78 (or D78) during the senior year and must have completed Psychology 22 and 23 (or comparable research project) before the end of their junior year.

11. Introduction to Psychology. An introduction to the nature of psychological inquiry considering behavior and experience from psychobiological, behavioristic, cognitive, psychodynamic, humanistic, and social perspectives. The class will meet as a whole for lectures and in sections for seminar discussions.

Elective for Freshmen. First semester. The Department.

11s. Introduction to Psychology. Same course description as Psychology 11.

Elective for Freshmen. Second semester. Omitted 1974-75.

†On leave second semester 1974-75.

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20. Social Psychology. The individual's behavior as it is influenced by other people and by the social environment. The major aim of the course is to provide an overview of the wide-ranging concerns characterizing social psychology from both a substantive and a methodological perspective. Within this context, emphasis will be on understanding how the social milieu affects behavior by attending to such issues as person perception and perceptual bias, conformity and compliance, aggression and conflict resolution, interpersonal attraction, group dynamics, attitude measurements, attitude change, and intergroup relations.

Requisite: Psychology 11 and permission of instructor. Elective for sophomores. Limited enrollment. Second semester. Professor Weigel.

21. Personality. A consideration of the theory and research directed at understanding those characteristics of the person which are related to his distinctive ways of experiencing and behaving. Prominent theoretical perspectives will be examined in an effort to integrate this diverse literature and to determine the directions in which this field of inquiry is moving.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Weigel.

22. The Psychology Experiment. I: Methodology. An introduction to and critical consideration of experimental methodology in psychology. Topics will include the formation of testable hypotheses, the selection and implementation of appropriate procedures, the statistical description and analysis of experimental data, and the interpretation of results. Articles from the experimental journals and popular literature will illustrate and interrelate these topics and provide a survey of experimental techniques and content areas.

Requisite: Psychology 11 or consent of the instructor. Elective for Freshmen. Second semester. Professors Denton and Heyduk.

23. The Psychology Experiment. II: Practicum. Students will select and complete an original experimental project culminating in a journal-style report. In addition, advanced topics in research design and quantitative methods will be considered, especially as appropriate to the individual projects.

Requisites: Psychology 11 and 22. Elective for Sophomores. First semester. Professors Denton and Heyduk.

Colloquium in Sex and Politics. The impact of Sex on Power and Influence in Society. See Colloquia.

Requisite: Introductory level courses in political science and psychology. Admission by consent of the instructors. Elective for Juniors. Limited enrollment. First semester. Professor Bourque (Smith). Grossholtz (Mount Holyoke), and Olver (Amherst). Located at Smith College 1974-75.

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24f. Perception and Cognition. An introduction to the phenomena, methodology, and theories of private experience and its relationship to overt behavior. Laboratory work will be included.

Requisite: Psychology 11. Elective for Sophomores. First semester. Omitted 1974-75. Professor Heyduk.

25s. Animal Learning. A consideration of the phenomena of animal learning and the application of this knowledge to the understanding and control of human behavior. Topics include classical conditioning and instrumental learning, punishment and aversive behavior, and theories of reinforcement. Psychology 11 and 22 are recommended.

Elective for Freshmen. Second semester. Omitted 1974-75. Professor Sorenson.

26f. Physiological Psychology. A broad-based introduction to the neural bases of animal and human behavior. Included are topics such as sensory and motor processes, motivation and emotion, and learning and memory. Lectures supplemented by discussion sections and laboratory experience. Psychology 11 and 22 are recommended.

Elective for Sophomores. First semester. Professor Sorenson.

27s. Developmental Psychology. A study of human development with emphasis upon the general characteristics of various stages of development from birth to adolescence and upon determinants of the developmental process.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Olver.

28f. Abnormal Psychology. A study of the etiology and psychodynamics of psychological deviance with a focus on the psychological diagnosis and psychotherapy of the behavior disorders.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Coplin.

29s. Human Sexuality. A study of the biological and psychological findings concerning the development and expression of sexuality.

Elective for Freshmen. Second semester. Omitted 1974-74. Professor Coplin.

30. Philosophy of Psychology. A consideration of the assumptions about man and the science of behavior underlying psychological thought and their influence upon experimental research and theory.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Omitted 1974-75. Professor Heyduk.

31s. Motivation. An examination of various interpretations of the selection and organization of human action that have evolved from research in ex-

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perimental psychology. Special emphasis will be given to several contemporary models for the behavior stream. Laboratory work will be included.

Requisite: Psychology 11 and 22, or the permission of the instructor. Elective for Sophomores. Second semester. Professor Heyduk.

34. Educational Psychology. A psychological analysis of the educational process. The course is designed both for prospective teachers and for those who have a general interest in the field of education.

Requisite: Psychology 11. Elective for Sophomores. Limited to fifteen students with the consent of the instructor. Second semester. Professor Grose.

35s. Comparative Psychology and Animal Behavior. An analysis of animal and human behavior and its evolutionary significance from the ethological and comparative viewpoints. Prominent issues include the stimulus control of behavior, the concept of instinct as a determinant of behavior, and the role of basic drives to determining the behavior of man. Psychology 11 and 22 are recommended.

Elective for Freshmen. Second semester. Omitted 1974-75. Professor Sorenson.

36. Psycholinguistics. Selected topics in the psychology of language focusing on the psychological processes involved in speaking and understanding language and the consequences of such processes for perception, thought, and behavior.

Requisite: Psychology 11 and the permission of the instructor. Elective for Freshmen. Limited enrollment. Second semester. Professor Olver.

38. Psychopharmacology. An introduction to the pharmacological analysis of behavior. Major emphasis will be placed on the actions of drugs on the central nervous system and consequently on behavior, and the use of drugs in animal experimentation as a powerful analytical tool.

Requisite: Physiological psychology. Elective for Sophomores. Second semester. Professor Sorenson.

41. Psychology Seminar. Members of the department will occasionally offer seminars designed to give the student an opportunity to study a selected topic in depth.

First semester. Omitted 1974-75.

42. Psychology Seminar. Same type of course as Psychology 41.

Elective for Sophomores with the consent of the instructor. Second semester.

1. THEORY OF PSYCHOLOGICAL COMPLEXITY. Participants will examine in detail a current theory of choice behavior and hedonic tone, and will explore its applications to a wide variety of experimental psycho-

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logical topics. Requisite: Psychology 11. Omitted 1974-75. Professor Heyduk.

4. CONTEMPORARY ISSUES IN SOCIAL PSYCHOLOGY. A detailed consideration of some contemporary areas of research and interest in social psychology. The initial part of the semester will focus on methodological issues such as experimental design, quasi-experimental design, and survey methods as applied to social psychological research. Articles illustrating the use of these various methodological approaches will be discussed and critically evaluated by the students. The remainder of the semester will be spent examining substantive issues. These new directions in social psychology include attitude change, the attitude-behavior problem, race relations, the effects of the mass media, and the ethics of research with human subjects. Requisite: Psychology 11. Omitted 1974-75. Professor Weigel.

44. Group Process and Behavior Change. A number of theories of group functioning will be examined, including the works of Freud, Moreno, Bion, Rogers, Berne, and Perls. Special emphasis will be placed on attempts to use group functioning to induce behavior change as in the group therapies, sensitivity training, encounter, and marathon groups.

Requisite: Psychology 11. Elective for Freshmen with the consent of the instructor. Second semester. Omitted 1974-75. Professor Coplin.

46. The Causes and Control of Violence. The primary thrust of this course will be to explore the etiology of aggressive behavior and its potential control. An attempt will be made to assess the contributions made to our understanding of the causes of violence by each of a variety of perspectives considered within the basic nativistic-environmentalistic scheme. Specifically, this will involve a consideration of the interaction of individual variables (genetic predispositions, specific brain mechanisms, and humoral and hormonal influences) and social variables (the cultural milieu, the interpersonal context, and the mass media). The implications of these variables for the prevention and control of violence will be examined in reference to such issues as the propriety of punishment, therapeutic intervention, genetic counseling, psychosurgery, as well as the possibilities for other forms of social change relevant to the problem. The student will be expected to prepare a scholarly paper considering the modes of prevention and control in the context of a critical evaluation of the evidence implicating the various causal factors.

Enrollment limited to thirty students. No prerequisites, but written consent of either instructor is required. Elective for Sophomores. Second semester. Professors Sorenson and Weigel.

77, 78 or D78. Seniors Honors Course. Elective for senior majors in psychology who have received departmental approval. First and second semesters.

97, H97; 98, H98. Independent Study or Research. This course is open to qualified students who desire to engage in independent reading on selected topics or conduct research projects. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. A full course or a half course.

Elective for Juniors with the consent of the instructor. First and second semesters.

RELIGION

Professors Mudge (Chairman), and Pemberton; Assistant Professors Kimelman, Thurman, and Wills.

The study of Religion is a diversified and multi-faceted discipline which involves the study of both specific religious traditions and the general nature of religion as a phenomenon of human life. It includes cultures of both the East and West, ancient as well as modern, in an inquiry that involves a variety of textual, historical, phenomenological, social scientific, theological and philosophical methodologies.

Major Program: Majors in Religion will be expected to achieve a degree of mastery in three areas of the field as a whole. First, they will be expected to gain a close knowledge of a particular religious tradition, including both its ancient and modern forms, in its Scriptural, ritual, reflective and institutional dimensions. Ordinarily this will be achieved through a concentration of courses within the major as well as, often in the case of Honors majors, the senior thesis. A student might also choose to develop a program of language study in relation to this part of his program, though this would not ordinarily be required for or count toward his major. Second, all majors will be expected to gain a more general knowledge of some other religious tradition quite different from that on which they are concentrating. This will usually require students concentrating on a Western religion to achieve a secondary mastery of an aspect of Eastern religion and vice versa. Ordinarily, this requirement will be met by one or two courses. Third, all majors will be expected to gain a general knowledge of the theoretical and methodological resources pertinent to the study of religion in all its forms. Ordinarily this will be achieved by taking Religion 52. It is further expected of Honors majors that their theses will demonstrate an awareness of the theoretical and methodological issues ingredient in the topic being studied.

Majors in religion are required to take religion 52, Methodology in the Study of Religion, Religion 53, Comparative Studies in Religion, as well as six additional semester courses in Religion or in related studies approved by the Department. In meeting this requirement, majors and prospective majors should note that no course in Religion (including Five College

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courses) or in a related field will be counted toward the major in Religion if it is not approved by the student's departmental advisor as part of a general course of study designed to cover the three areas described above. In other words, a random selection of eight courses in Religion will not necessarily satisfy the course requirement for the major in Religion.

All majors, including "double majors," are required, early in the second semester of the senior year to take a comprehensive examination in Religion. This examination will be designed to allow the student to deal with each of the three aspects of his program as described above, though not in the form of a summary report of what he has learned in each area. The emphasis will be on his ability to use what he has learned in order to think critically about general issues in the field.

Honors Program: Honors in Religion shall consist of Religion 52, 53, and the thesis courses, Religion 77 and D78, plus four additional semester courses in Religion or related studies approved by the Department; satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in the comprehensive examination; and the satisfactory preparation and oral defense of a scholarly essay on a topic approved by the Department.

11. Introduction to the Study of Religion. The course is an attempt to gain insight into the phenomenon of religious experience through an analysis of the structure and dynamics of religious consciousness and religious activity by a comparative and cross-cultural examination of the Scriptures, confessional and theological literature, rites, artifacts, and institutions of contemporary religions.

Topic in 1974: The Catholic Christian and Gelugspa Buddhist traditions. The study will proceed through a consideration of the biblical texts on agape (love), the Catholic Eucharistic Rite, and the reflections of saints, such as Augustine, as well as present-day followers of Catholic Christianity; and by consideration of the fundamental formulations of the Mahayana path in the *Vimalakirtinirdesa* and the *Bodhicaryavatara*, the Tibetan ritual known as *Gurupuja*, and the reflections of masters such as Milarepa and Tson Khapa.

First semester. Professors Pemberton and Thurman.

12. Religious Traditions in Asia. Introduction to the major religious traditions of ancient India and China with attention to their interrelationships with the popular religious 'subcultures' of the areas. Readings will proceed in the Vedas, Upanisads, Gita, Hinayana and Mahayana Sutras, Bhagavata-purana, and Saivite religious literature, and then on to Luenn Yu, Tao Teh Ching, Mencius, Chuang Tzu, Wei Mo Ching, Tientai, Hua Yan, and Chan scriptures. Tibetan and Japanese traditions will be considered in relationship to their respective "Mother Cultures."

Second semester. Professor Thurman.

16. The Christian Religious Tradition. An examination of the development of Christian thought in western culture from St. Augustine to Pascal. Special attention will be given to understanding the relationship of religious vision and self-understanding to a particular historical moment and also to the problem of the religious life and social change. Readings will include St. Augustine's *Confessions*, selections from St. Thomas Aquinas' *Summa Theologica*, the poetry of Christian mystics and the rules of the monastics, Dante's *Divine Comedy*, selections from Catholic and Protestant Reformers, and Pascal's *Pensees*.

Second semester. Professor Pemberton.

21. The Hebrew Scriptures. Genesis and Exodus and the Jewish tradition. An inquiry into the historical narratives of Genesis and Exodus and their impact on the development of classical Judaism. Readings also taken from Philo, Josephus, and Talmudic-Midrashic literature.

First semester. Professor Kimelman.

22. The Christian Scriptures. Foundation of the Christian tradition in the history, literature, and thought of the "New Testament." Emphasis is placed both on the biblical materials themselves and on the varying perspectives of contemporary biblical interpretation.

Second semester. Professor Mudge.

23. The Indo-Tibetan Buddhist Tradition. A study of the Mahayana religious and philosophical tradition as transmitted from India to Tibet and as preserved and developed in the "Land of Snows" during the millennium since its loss in India. Attention will be given to the achievements of the "Six Ornaments" of India, Nagarjuna, Aryasanga, Vasubandhu, Dignaga, etc., the history and atmosphere of the transmission from the great Indian Universities to the Tibetan kingdom, the accomplishments of the Tibetan translators and scholars, such as Bu Ston, Sa sKya Pandita, kLon Chen pa, Tson Khapa, 'Jam dbYans bZed pa, etc., as well as to the Tibetan cultural ethos of nomadism and shamanism that contributed to the popular traditions and religious expressions. Readings will proceed in the works of Stcherbatski, Obermiller, Snellgrove, Evans-Wentz, Govinda, Tucci, and Guenther, with the help of a number of recent dissertations and unpublished translation-manuscripts.

Requisite: Religion 12 or permission of the instructor. First semester. Professor Thurman.

24f. Sociology of Religion. A study of the interaction of culture (religious symbol system) and society. Examples from primitive, archaic, historic and modern societies. The problem of modernization, secularization, social change and the "Protestant Ethic" thesis will be reconsidered in the light of contemporary sociology (Bellah, Berger, Birnbaum, Eisenstadt, Geertz, Luckmann, Parsons, Shils). Readings, discussions, lectures, student reports.

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Requisite: Sociology 11 or Religion 11 or consent of the instructor. First semester. Professor Mudge.

32. Mysticism and the Moral Life. Examination of autobiographical, theoretical, and devotional documents pertaining to inner piety and the search for God as a response to life in the twentieth century. Writings of Thomas Merton, Howard Thurman, Martin Buber, and Abraham Heschel will be discussed to explore the relation between the languages of Catholicism, Protestantism, and Judaism and an individual's sense of God's reality. Special attention will be given to a comparison of poetry and prayer, questions of symbolism and religious experience, and more generally to the bonds between esthetic, spiritual, and moral sensitivity.

Elective for Sophomores. Limited to fifteen Amherst students, with up to ten admitted from other colleges. Second semester. Omitted 1974-75. Professor Kaplan.

34. Religion in America. An examination of the intellectual, institutional, and social history of religion in America, with attention both to the plurality of religious traditions (white Protestantism, Catholicism, Judaism, black religion) and to the elements of commonality ("civil religion").

Elective for Sophomores. Second semester. Professor Wills.

35. Contemporary Religious Thought. An examination of the changing "religious situation" in the Western world since the Enlightenment. Readings chosen from such writers as Kant, Hegel, Schleiermacher, Feuerbach, Kierkegaard, Nietzsche, Troeltsch, Barth, Bultmann, Tillich, and selected contemporary authors. Lectures and discussion.

First semester. Professor Mudge.

36. Christian Ethics. An examination of the theoretical of structure of Christian Ethics and its application to contemporary individual and social questions. Attention will be given to such theoretical issues as the relation between philosophical and theological ethics, the relation of principle and situation in moral decision-making, and the status of love as a moral norm, as well as to specific questions concerning modern warfare, political obligation, economic inequality, racial and ethnic conflict, bioethics, and sexuality. A seminar course. One two-hour meeting per week. Elective for Juniors

Second semester. Professor Wills.

37. Black Religion from Slavery to the Present.

Elective for Seniors. First semester. Professor Wills.

40. Five College Seminar in Judaic Studies. (Same course as Religion 340s, Mount Holyoke.) Topic for 1975: Rabbinic Judaism. An analysis of the classic concepts of Judaism as formulated in the period of the Talmud and

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Midrash in light of their social-religious setting. Contributions of major personalities such as Hillel, Rabbi Yohanan ben Zakkai, and Rabbi Akiva will be considered. Modern scholars such as Judah Goldin, Sol Lieberman, G. F. Moore, Solomon Schechter, and Max Kadushin will be studied. Guest lecturers on cognate fields.

Elective for Juniors. Second semester. Professor Kimelman.

52. Methodology in the Study of Religion. Methods of interpreting religious phenomena; an examination of the problems of the integration of various disciplines (textual and art criticism, historical, sociological, psychological, and theological inquiry) to the study of religion. Topic in 1975: American Christianity Since the "Death of God."

Elective for Juniors. Second semester. Professor Mudge.

53s. Three College Seminar in Religion. (Same course as Religion 300b, Smith, and Religion 390s, Mount Holyoke). Topic in 1975: Interpreting Hindu and Christian religion through the Bhagavad-gita and selected portions of the New Testament. One meeting a week. The seminar meetings will be distributed among the three campuses throughout the term.

Requisite: Senior standing and/or consent of one of the instructors. Second semester. Professors Pemberton (Amherst), Yamashita (Mount Holyoke), and Hudson (Smith).

62. Topics in Indian Philosophy. A critical examination of the contributions of major Indian philosophers to the solution or dissolution of philosophical problems which have intensely concerned philosophers of all times and traditions. Reflections will focus on the phenomenology of the Abhidharma, as related to Vaisheshika realism, on the idealistic epistemology of the Vijñānavāda, as related to the Nyāya rationalism, and on the technique of radical criticism of the Mādhyamika, as related to subsequent developments in Vedānta thought. Special attention will be given to the problems of philosophical languages in order to overcome the obstacle to thought posed by the difficulties of translation. Readings will include Vasubandhu's *Abhidharmakosa*, the *Nyāyasūtra*, the *Vaisheshikasūtra*, the *Nyāyabindu*, the *Mādhyamikakārikā*, with other critical works by modern Indian and European authors, such as Shastri, Murti, Stcherbatski, Matilal, Potter, etc.

Requisite: Religion 11 or 12, Philosophy 12, or consent of the instructor. Second semester. Professor Thurman.

An Introduction to African Religious Beliefs and Practices. See Black Studies 62f.

First semester. Professor Nketsia.

The Mystical Hassidic Tradition and its Modern Manifestations. See Judaica 101, University of Massachusetts.

Second semester. Professor Kimelman.

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Twentieth Century Jewish Thought. See Hampshire College listings.
First semester. Professor Kimelman.

77. Conference Course. Required of candidates for honors in religion: Preparation and oral defense of a scholarly essay on a topic approved by the Department. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester.

Elective for Seniors with the consent of the instructors. First semester. The Department.

D78. Conference Course. Required of candidates for honors in religion: A continuation of Religion 77. A double course.

Elective for Seniors with the consent of the instructors. Second semester. The Department.

97. Special Topics. Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department. First semester. The Department.

98. Special Topics. Independent Reading Course. Same description as Religion 97. Second semester. The Department

ROMANCE LANGUAGES

Professors Carre (Chairman), Giordanetti, and Johnson; Associate Professor Pini; Assistant Professors Kaplan*, Kent, Maraniss, and A. Ryerson; Visiting Lecturer Mme Pecile; Mme Watkins and assistants.

French

Major Program. The Department of French aims at flexibility and response to the plans and interests of the French major within a structure that affords diversity of experience in French literature and continuous training in the use of the language.

A major in French (both *rite* and honors) will normally consist of (a) eight courses within the Department or (b) six courses within the Department and two related courses chosen with departmental approval. All courses offered by the Department above French 3 may count for the major.

*On leave 1974-75.

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The one rule of selection is that two of the six or three of the eight courses submitted for the major must be chosen from offerings in French literature before the nineteenth century.

Each major is encouraged to follow at least one independent reading course in the Department as part of his major program.

Upon request to the Department by students (majors or non-majors) a group seminar may be organized in any form and concerning any topic agreed upon by the participating students and teachers.

The minimum level of competence in the language for a French major is that represented by superior work in French 7 or by passage of a proficiency examination set by the Department, normally by the end of the sophomore year. To develop further his expressiveness and clarity in written French, the major must choose a) to take a special course in French stylistics; b) to take a literature course in which particular attention will be given to the written work of the French majors; or c) to meet regularly with a member of the Department to work on problems of writing.

The comprehensive program set by the Department in consultation with its majors will normally be completed by the end of the first semester of the senior year. All majors will normally elect French 77 and a Special Topics course toward completion of the program.

Honors Program. In addition to the major program described above, a candidate for departmental honors must present a thesis and sustain an oral examination upon the thesis. He will normally elect D78 in the second semester of his senior year.

Combined Majors. Course programs for a joint major in French and Spanish or French and other languages are arranged by the student in consultation with the instructors in those languages.

Interdisciplinary Majors. Interdisciplinary majors are established through the College Committee on Interdisciplinary and Special Study with the endorsement and cooperation of the Department or with the approval of individual members of the Department.

Foreign Study. A program of study approved by the Department for a junior year in France has the support of the Department as a significant means of enlarging the major's comprehension of French civilization and as the most effective method of developing mastery of the language. Four Amherst French courses will be the minimum required for a major who has spent a junior year abroad.

Placement in French language courses. See individual course descriptions for placement indicators.

Placement in French literature courses. Unless otherwise specified, admission to courses in literature is granted upon satisfactory completion of

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French 5 or a course of equivalent level in secondary school French (Advanced Standing or a score of 600 in CEEB placement).

1. Elementary Course. Grammar, pronunciation, oral practice and reading. Three hours a week for explanation and demonstration, two hours a week in small sections plus laboratory drill for oral practice. Prepares for French 3 or French 5.

Elective for Freshmen. For students without previous training in French. First semester. Mme Watkins and assistants.

3. Intermediate Course. Intensive review of grammar and oral practice. Reading and analysis of literary texts. Three hours a week for explanation and demonstration. Two hours a week in small sections plus laboratory for drill in aural comprehension of the language. Prepares for French 5 and in certain cases for literature or advanced language courses.

Elective for Freshmen. For students with less than three years of secondary school French who score below 500 in the CEEB placement test. First semester. Mme Watkins and assistants.

3s. Intermediate Course. Same description as above.

Elective for Freshmen. Second semester. Mme Watkins and assistants.

5. Language and Literature. An introduction to the critical reading of French literary and non-literary texts; a review of French grammar; training in composition, conversation, and listening comprehension. Reading will be drawn from significant short stories, plays, and poetry from the modern period, by Arab and African as well as French writers. The survey of different literary genres serves also to contrast several views of French culture. Films and conversation classes with native French assistants are an essential part of the program. Successful completion of French 5 prepares students for literature and advanced courses. Three hours a week in class and two hours of conversation with French assistants. Conducted in French.

Elective for Freshmen. For students with three or four years of secondary school French and a CEEB score between 500–600. First semester. Mme Pecile and assistants.

5s. Language and Literature. Same description as above.

Elective for Freshmen. Second semester. Mme Pecile and assistants.

7. Intermediate French Composition. Rapid review of French grammar; practice in set translation and free composition. Emphasis in composition will be on basic techniques of creative and critical writing. Three hours of classroom work a week.

Elective for Freshmen. For students who have completed French 5 or equivalent in secondary school French (Advanced Standing or a score of 600 in CEEB placement). First semester. Professor Giordanetti.

ROMANCE LANGUAGES

8. French Conversation. Contemporary France. Organized discussion classes and oral presentations centered on French politics, government, society, with particular attention to student life and aspects of French education and the arts. Discussions conducted as a conversational colloquium in French with the native French assistants. Two classroom meetings a week.

Requisite: Satisfactory completion of French 5 or its equivalent. Second semester. Assistants with Professor Pini.

10. Phonetics and Prosody. Theory and practice of French phonetics. Training in the reading of French literary texts and in the use of current spoken French with emphasis on the distinctions between the two modes of discourse. A study of the elements of French prosody. Conducted in French. Recommended for majors and advanced students in French. One and one-half hour seminar meeting a week with additional laboratory assignments and analysis of individual pronunciation in private tutorials.

Requisite: Limited to twelve students with consent of instructor. Second semester. Mme Watkins and assistants.

11s. Introduction to French Literature Through the Seventeenth Century. Reading and discussion of selected texts from *La Chanson de Roland* through the age of Classicism. Short papers on problems of criticism and analysis will be regularly assigned. Conducted in French. Three hours of classroom work (in two seminar meetings) a week.

Elective for Freshmen. Second semester. Professor Giordanetti.

12. Introduction to French Literature Since the Seventeenth Century. Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials from the twentieth century. Conducted in French. Three hours of classroom work a week.

Elective for Freshmen. Omitted 1974-75. Professor Giordanetti.

13s. Major French Novelists. Choice of novelists and works may vary each year. In 1973-74, selected works of Constant, Balzac, Flaubert, and Stendhal were read and discussed in the context of the theme: the conflict of the individual's double relationship to himself and to the society. Particular attention will be given to the authors' critiques of society and their portrayal of the quest for personal identity. Conducted in French. Three hours of classroom work a week.

Elective for Freshmen. Second semester. Omitted 1974-75. Professor Carre.

14. Advanced French Composition. Extensive practice in writing in a variety of styles: free composition, creative writing, translation from English to French. Conducted in French. Three hours of class meetings a week.

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Requisite: French 7 or its equivalent. Recommended for majors and advanced students. Elective for Freshmen with the consent of the instructor. Second semester. Professor Pini.

15. Aspects of Modern Literature. An introduction to modern French literature with emphasis on the ways in which reality is perceived by representative novelists and poets of the twentieth century: Camus, Sartre, Malraux, Fanon, and Proust; Paul Eluard, René Char, Aimé Césaire, and Léopold Senghor. Three hours of classroom work a week. Conducted in French.

Elective for Freshmen. First semester. Professor A. Ryerson.

22. Literature of Indignation and Revolt. An examination of the literature emerging from the various forms of twentieth century revolt in the French consciousness. The reaction to social injustice and to colonial exploitation will serve as the two axes of the course, but more philosophical approaches will be considered as well. Accordingly, Gide and Camus will be part of the reading, as well as Darien, Genet, Aimé Césaire, Fanon, and Nizan. Three hours of classroom work a week. Conducted in French.

Requisite: Elective for Freshmen and Sophomores with the consent of the instructor. Second semester. Omitted 1974-75. Professor Pini.

23. Modern French Poetry. Study and discussion of the poetry and poetics of the makers of modern poetry in France: Baudelaire, Rimbaud, and Mallarmé. Three hours of classroom work a week. Conducted in French.

Elective for Freshmen with the consent of the instructor. First semester. Professor Carre.

25. French Literature of the Renaissance. A study of *Gargantua, Pantagruel*, and *Le Tiers Livre* (in English) and the *Prologues* (in French) of Rabelais, with special emphasis on his comic techniques, his satire of the intellectual categories of the Middle Ages, and his promotion of Humanism. Representative poets from the Ecole de Lyon (Maurice Scève, Louise Labé, Pernette du Guillet), La Pléiade (Ronsard, du Bellay), and the poetry of d'Aubigne will be examined for their present literary value and as representations of important themes of the culture of the period. Finally, selected *Essais* of Montaigne will be read, with particular attention to his self-creation through literature. Conducted in French. Three hours of classroom work a week.

Requisite: An introductory course in French literature or consent of the instructor. Elective for Sophomores or Freshmen. First semester. Omitted 1974-75. Professor Kaplan.

26. Dreamers and Realists. Novels, short stories, works of sociological analysis, psychology and phenomenology of imagination will be studied in relation to the dialectic of dream and reality; the mysticism of Balzac; the realistic exploration of madness by Gérard de Nerval; the influence of the

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industrial revolution on the inner life of social classes by the Romantic historian, Jules Michelet. Also read will be essays by Gaston Bachelard, a twentieth-century philosopher of imagination, which describe and analyze the creative process. Conducted in French.

Requisite: An introductory course in French literature or consent of the instructor. Elective for Freshmen. Second semester. Omitted 1974-75. Professor Kaplan.

27. The French Classical Drama: A study in Power Relationships. An analysis of plays by Corneille, Racine and Molière with particular reference to changing views about power in the Seventeenth Century—understood in terms of politics and interpersonal relationships. The passage from the baroque morality of the aristocracy to the tragic values of the age of absolute monarchy and to the critical ethics of the bourgeoisie will also be illustrated by readings from Descartes, Pascal and La Bruyère. The course will examine the extent to which language and structure in the plays reflect the ideological battles of the Fronde, of Jansenism, and of the Quarrel of the Ancients and the Moderns. Three hours of classroom work a week. Conducted in French. First semester. Professor Pini.

28. French Comic Theater. Study and discussion of the plays, dramatic theory, and practice of four major creators of the French comic theater: Molière, Marivaux, Beaumarchais, and Musset. Conducted in French. One three-hour seminar meeting a week.

Second semester. Professor Carre.

31. The Age of Enlightenment. A study of the literature of the eighteenth century from the Regency to the Revolution, its relations to the intellectual, esthetic, and social changes of the Enlightenment, the development of new literary forms. Particular emphasis will be given to Voltaire, Rousseau, and Diderot. One three-hour meeting a week; discussion, oral reports, one term paper on individual related topics.

Requisite: An introductory course conducted in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Giordanetti.

33s. The Romantic Imagination. A study of the origins and development of the European phenomenon of Romanticism of the early nineteenth century. The movement will be considered in several of its manifestations, in music, painting and architecture in addition to literature. One three-hour seminar a week; one term paper on individual related topics. Conducted in French.

Enrollment limited to fifteen students. Please consult instructor before enrolling. Second semester. Omitted 1974-75. Professor Giordanetti.

35. Tradition and Anti-Tradition in the Twentieth Century French Theater. An analysis of plays and dramatic theories: Claudel and Giraudoux as rep-

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representatives of the tradition; Jerry, Artaud, Ionesco, and Beckett as makers of a new theater. Three hours of classroom work a week. Conducted in French.

Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1974-75. Professor Pini.

37. Camus and Sartre. Existentialism and *engagement*. Readings and discussion of the major works, literary and theoretical, of the two authors, concluding with an examination of the controversy that opposed Camus to Sartre and the *Temps Modernes* group on the nature of the artist's commitment to society. Three hours of classroom work a week. Conducted in French.

Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Carre.

41. Apollinaire and Modern Movements in Art and Literature. A study of Guillaume Apollinaire as poet, theoretician, spokesman and moving force of the new art in France during the first two decades of the twentieth century. An inquiry into the relationships of art and literature with particular attention to Cubism and Futurism. Three hours of classroom work a week. Conducted in French.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1974-75. Professor Carre.

42. Proust and the Interpretive Sensibility. A study of *A La Recherche du Temps Perdu* in the original and in translation, as an interpretation of man's relationship to society on the one hand and man's relationship to nature on the other. A central question through the course will be: What, according to Proust, makes reality meaningful? Two meetings a week. Conducted in English. Students with a reading knowledge of French should read the first volume in French; only advanced students in French should forego all translation.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor A. Ryerson.

43. French Philosophers of the Human Condition. The French *moralistes* tradition, composed of literary and philosophical writers who sought to define humanity, will be studied in its development from the Renaissance to the twentieth century. We shall read masterpieces of Montaigne, Descartes, Pascal, Rousseau, Jules Michelet as well as the Surrealist Manifestoes. Each work will elucidate the responses of its age to questions about the nature of the self, the relation of reason to emotion, the ideal education, religion and social progress. Readings and classes in English, although students able to do so are encouraged to read in French. Elective for Freshmen. Not offered in 1974-75. To be offered in 1975-76.

ROMANCE LANGUAGES

44. The French Film: Social Content. (Given in conjunction with Fine Arts 47s). An inquiry into the content of a number of French films from Renoir and Cocteau to Godard and Truffaut, in terms of their relevance to chosen aspects of French society and of their relationship to the visual arts. Life styles, values and aspirations of various sections of the French population as seen by these film-makers will be examined. The relationship of some of the trends in the French cinema to literary and artistic movements will be noted, as will be the structure of the French movie industry. One two-hour viewing session a week; one 1½ hour joint meeting a week (conducted in English); one 1½ hour seminar session a week (conducted in French). See Fine Arts 47s.

Second semester. Professors Kirwin and Pini.

77, D78. Conference Course for Seniors. A single and a double course.

First and second semesters. The Department.

97, H97, 98, H98. Special Topics. Independent Reading Courses. Full or half courses. Approval of the department chairman is required.

First and second semesters.

Spanish

Major Program. The Department of Spanish expects its majors to have a broad and diverse experience in the literatures and cultures of Spanish-speaking peoples. To this end, continuous training in the use of the language and travel abroad will be emphasized.

A major in Spanish (both *rite* and honors) will normally consist of (a) eight courses within the Department or (b) six courses within the Department and two related courses chosen with departmental approval. All courses offered by the Department above Spanish 3 may count for the major. At the minimum each major should develop a reasonable familiarity with the Golden Age, Spanish America, and Modern Spain.

The minimum level of competence in the language for a Spanish major is that represented by superior work in Spanish 14 or by passage of a proficiency examination set by the Department, normally at the end of the sophomore year. To develop further his expressiveness and clarity in written Spanish, the major must choose (a) to take a literature course in which particular attention will be given to written work of the major; or (b) to meet regularly with a member of the Department to work on problems of expression and style.

The comprehensive program set by the Department in consultation with its majors will normally be completed by the end of the first semester of the senior year. All majors will elect Spanish 77 and a Special Topics course toward completion of the program.

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Honors Program. In addition to the major program described above, a candidate for departmental honors must present a thesis and sustain an oral examination upon the thesis. He will normally elect D78 in the second semester of his senior year.

Combined Majors. Both *rite* and honors majors may be taken in combination with other fields, e.g. Spanish and French, Spanish and Religion, Spanish and Fine Arts. Plans for such combined majors must be approved in advance by representatives of the departments concerned.

Interdisciplinary Majors. Interdisciplinary majors are established through the College Committee on Interdisciplinary and Special Studies, with the endorsement and cooperation of the Department or with the approval of individual members of the Department.

Study Abroad. Students majoring in Spanish are encouraged to spend a summer, a semester, or a year studying in Spain or Spanish America. Plans for study abroad must be approved in advance by the Department.

Placement in Spanish language courses. See individual course descriptions for placement indicators.

Placement in Spanish literature courses. Unless otherwise specified, admission to courses in literature is granted upon satisfactory completion of Spanish 3 or a course of equivalent level in secondary school (a score above 600 in the CEEB reading and listening texts, or Advanced Standing).

1. Elementary Spanish. Grammar, pronunciation, oral practice, and reading. Six hours a week in class, section, laboratory, and *reuniones*; and at least six hours of independent study. For students without previous training in Spanish, Interterm in Spain or Mexico highly recommended. Prepares for Spanish 12.

First semester. Professor Johnson and assistant.

3. Intermediate Spanish. Review of grammar and pronunciation; oral practice. Reading and analysis of literary texts. Six hours a week in class, section, and laboratory. For students with less than three years of secondary school Spanish who score below 500 in the CEEB tests.

First semester. Professor Maraniss and assistant.

11. Introduction to Spanish Literature. Readings in modern Spanish and Spanish American Literature. Essays and short stories by Octavio Paz, Cortazar, García Marquez and others will serve as the basis for discussion, and writing in Spanish. Special attention will be given to recent literature and political commentaries from Spain.

Elective for Freshmen. First semester. Professor Kent.

12. Pablo Neruda. An exploration of the Spanish-speaking world through reading and discussion of his prose and poetry. Emphasis on language learning. In 1975 advanced students who desire a literary emphasis will also be accommodated. Conducted in Spanish. Elective for Freshmen. Second semester. Professor Johnson.

14. Spanish Prose Composition and Style. This intensive course is designed to strengthen and refine the student's mastery of the Spanish language. Practice in free composition and in translation of examples of variety of styles. Conversation. Conducted in Spanish.

Requisite: Enrollment limited to ten students. Please consult instructor before enrolling. Second semester. Professor Johnson and assistant.

21s. The Dynamics of Spanish Culture. An interdisciplinary study of Spanish consciousness from the Renaissance to the present. The writings of Quevedo, Lope de Vega, San Juan de la Cruz, García Lorca, Salinas, Cela, Martín Santos and Goytisolo will be discussed in their historical and artistic context. Special attention will be given to the ballad tradition, the Cubistic period of Picasso and the architecture of Gaudí. Conducted in Spanish. Second semester. Professor Kent.

23. Contemporary Spanish Literature. Readings and discussions of representative authors of the Spanish generations of 1898 and 1927: Unamuno, Baroja, Azorín, Machado, Ortega, Valle-Inclán, Miró, García Lorca, Guillén, Alberti, Salinas. Conducted in Spanish.

First semester. Professor Maraniss.

25. Indian Civilizations of South America. Literature, art, music, myth, and history of precolonial South America with emphasis on the Mochica, Chimú, Inca, Araucanos and Guaraní. Their significance in the twentieth century will be studied in the writings of Icaza, Alegría, Arguedas, Neruda, Roa Bastos. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. First semester. Omitted 1974-75. Professor Johnson.

26. Latin American Prose and Poetry I. In 1975 the course will begin with a study of the poetry of Darío and Lugones. Later it will encompass that poetry's antecedents in the works of the French symbolists, and it will end with a study of the works of those Spanish and Latin American writers (Jiménez, Vallejo, Valle-Inclán) who took the greatest advantage of the renewed poetic language bestowed upon them by Darío and the modernists. Two course meetings per week. Conducted in Spanish. Requisite: Reading, writing and speaking knowledge of Spanish. Second semester. Professor Maraniss.

27. Indian Civilizations of MesoAmerica. Literature, art, music, myth and history of precolonial Central America. Emphasis on the Olmecs, Zapotecs,

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Mixtecs, Aztecs and Mayas. Their significance in the twentieth century will be studied in the works of Azuela, López y Fuentes, Asturias, and the Mexican muralists. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. First semester. Professor Johnson.

28. Latin American Prose and Poetry II. Vargas Llosa, García Marquez, Rulfo, Fuentes, González León, Neruda, Vallejo. Conducted in Spanish.

Requisite: Reading, writing and speaking proficiency in Spanish. Second semester. Omitted 1974-75. Professor Johnson.

36. Readings in Seventeenth Century European Theater. Selected plays of Lope de Vega, Calderón de la Barca, Tirso de Molina, Corneille, Racine, and Shakespeare will be read in the original languages whenever possible. Through close readings of representative works, participants will approach an understanding of the "ideas of a theater" underlying the classic drama of Spain, France, and England. Conducted in English.

Second semester. Professor Maraniss.

43. Cervantes. *Don Quijote de la Mancha* and some exemplary novels will be read in Spanish or in translation, depending on the student's language proficiency. Cervantes' novelistic technique, a new departure in European prose, will receive special attention. Students will be asked to deal with Cervantes in connection with another writer whom he may have influenced; e.g., Fielding, Sterne, Flaubert or Mark Twain. Conducted in English.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Professor Maraniss.

46f. The Picaresque Novel. A comparative study of the picaaroon in European and American literature with special attention given to the Spanish tradition. Readings to include the *Lazarillo*, the *Buscón* and novels by Donleavy, Grass, Mann, Ellison, Twain, and Céline. Conducted in English with readings in the original according to student ability.

Elective for Sophomores. First semester. Professor Kent.

47s. The Myth and Literature of Imperial Spain. The response of literature to the historical and social conditions of Hapsburg Spain. Selected works of Fray Luis, Quevedo, Lope, Góngora and others will be discussed as individual solution to the dilemmas of the "Golden Age." Conducted in Spanish.

Requisite: Spanish 21 (21s) or permission of the instructor. Second semester. Omitted 1974-75. Professor Kent.

77. Conference Course for Seniors.

First semester. The Department.

D78. Conference Course for Seniors. A double course.

Second semester. The Department.

97, H97, 98, H98. Special Topics. The department calls attention to the fact that Special Topics courses may be offered to students on either an individual or group basis. Students interested in forming a group course on some aspect of Spanish life and culture are invited to talk over possibilities with a representative of the department. When possible, this should be done several weeks in advance of the semester in which the course is to be taken.

RUSSIAN

Assistant Professors Broyde, Davidson (Chairman), Peterson*, Rabinowitz, and J. Taubman and Five-College (Distinguished Visiting Professor Brodsky; visiting Specialists from the Union of Soviet Socialist Republics.

Major Program. The major must include the following courses: Russian 11, 12, 21, 22 plus four upper-level Russian courses offered in the Department or at one of the neighboring colleges. (Russian 1 through 4 will not count toward the major.)

It is recommended that the major take History 41-42 (Survey of Russian History) and at least two or three courses in one other literature (preferably English, French, or German). In addition to demonstrating a proficiency in spoken and written Russian, the major will be required to pass a comprehensive examination during the second semester of his senior year. A reading list will be provided by the Department to guide him in preparing for the examination.

Honors Program. In addition to the requirements for the major program, the honors candidate must take Russian 77-78 during his senior year and must prepare a thesis on a topic approved by the Department.

Interdepartmental Program: A student may be sufficiently interested in Russian to devote considerable time and effort to the study of the subject while not necessarily feeling inclined to major in it. If this is the case, he should be aware of the possibility of declaring an interdepartmental major under which he could combine the study of Russian with that of another discipline; e.g., history, political science, economics, another language and/or literature, etc. Before deciding on an interdepartmental major, the student should, of course, consult the College Bulletin (the pertinent section under Degree Requirements) in addition to discussing his academic plans with the Departments involved.

Study Abroad. Any student who has studied Russian for two years or more and wishes to put to the test his or her ability to operate in the language may take advantage of the Interterm in Russia. This is jointly organized by

*On leave 1974-75.

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the Russian Departments at Amherst and Smith, utilizing the long semester break recently introduced into the academic calendar, to make possible travel to Russia at minimal cost. The participating students will be accompanied by a faculty member; the four weeks spent in Russia will be evenly divided between Leningrad and Moscow. While not a formal academic activity, the Interterm in Russia should be considered to fall logically between Russian 11 and Russian 12, and thus to be an aspect of Studies in Russian Language and Culture. Accordingly, participation may be limited to students who are either enrolled in Russian 11 or can show equivalent (or superior) proficiency in the language.

Students who are interested in spending more than three to four weeks in the Soviet Union are urged to consult with the Russian Department about the Summer and/or Semester Programs at Leningrad or Moscow University which are open to qualified American undergraduates.

1. First-Year Russian. The fundamental structure of Russian demonstrates how a language strives to maintain itself as a functional, strongly coherent system. Stress is laid on a knowledge of the patterns and shapes of the language's building materials rather than on an endless memorization of forms. Pronunciation, oral practice, reading, writing. Some sessions conducted primarily in Russian. Four meetings per week.

Elective for Freshmen. First semester. Professors Davidson, J. Taubman, and Visiting Specialist.

2. First-Year Russian. Continuation of Russian 1.

Requisite: Russian 1 or equivalent. Elective for Freshmen. Second semester. Professors Davidson, J. Taubman, and Visiting Specialists.

3. Second-Year Russian. Intensive review and further study of grammar. Emphasis on development of aural comprehension and oral fluency. Reading and analysis of selected texts. Five class hours per week. In addition, students may be required to use the language laboratory.

Requisite: Russian 2, or equivalent. Elective for Freshmen. First semester. Professor Broyde.

4. Second-Year Russian. Continuation of Russian 3.

Requisite: Russian 3, or equivalent. Elective for Freshmen. Second semester. Professor Broyde.

11, H11. Studies in Russian Language and Culture. Reading and discussion of selected works of Russian prose and poetry, both classical and modern. Included among the readings will be literary criticism, as well as historical, philosophical, and publicistic writings. Conducted mostly in Russian. (Systematic vocabulary building; selective grammar review; oral and written reports.) Three fifty-minute or two eighty-minute sessions per week; one additional laboratory hour may be required. Full or half course.

Requisite: Russian 4 or equivalent. First semester. Professor Rabinowitz.

12, H12. Studies in Russian Language and Culture. Continuation of Russian 11.

Requisite: Russian 11. Second semester. Professor Davidson.

21. Survey of Russian Literature, Part I. After a brief consideration of Russian medieval literature (including the *Igor Tale*), the course will focus primarily on the evolution of nineteenth century prose forms through Tolstoy and Dostoevsky, with special emphasis on the wide variety of approaches to the novel from Pushkin's *Eugene Onegin* to such monuments as *Crime and Punishment* or *War and Peace*. Also major novels by Lermontov (*Hero of Our Time*), Gogol (*Dead Souls*), Turgenev (*Fathers and Sons*), et al. Social and philosophical background, both Russian and European. Readings in translation of the original, depending on language proficiency. Two class sessions per week.

Elective for Freshmen and Sophomores. First semester. Professor Davidson.

22. Survey of Russian Literature, Part II. An examination of major Russian writers and literary trends from about 1860 to the Bolshevik Revolution as well as a sampling of Russian emigré literature through a reading of representative novels, stories, and plays in translation. Authors include Dostoevsky (*The Double, Crime and Punishment*); Tolstoy (*Family Happiness, Anna Karenina, The Death of Ivan Ilych*); Saltykov-Schedrin (*The Golovnyov Family*); Chekhov (selected stories and plays); Gorky (*Childhood, The Lower Depths*); Sologub (*The Petty Demon*); Bely (*Petersburg*); Bunin (selected stories) and Nabokov (*Despair, Invitation to a Beheading*). The evolution of recurring themes such as the breakdown of the family, the "woman question", madness, attitudes toward the city, childhood and perception of youth.

Second semester. Professor Rabinowitz.

23. Russian Literature of the Soviet Period. A survey of Soviet Literature from 1917 to the present. Readings (in the novel, short fiction, drama, and memoir) will be examined on their own terms as works of art and against their political background. Some major themes: the moral role of the individual in history; socialist realism in theory and practice; pre-Stalinist experimentation and post-Stalinist dissent. Readings will include: Zamiatin, *We*; Mayakovsky, *The Bedbug*; Bulgakov, *Master and Margarita*; Nadezhda Mandelstam, *Memoirs*; Pasternak, *Dr. Zhivago*; Solzhenitsyn, *The First Circle*.

First semester. Professor J. Taubman.

25s. Seminar in Russian Literature. From 1974-1975 the topic is "The Self Made Art: Autobiography in Russian Literature." A study of autobiography as an artistic effort to define the self. The course will explore the individual

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shaping and selecting process as well as the social and historical context which influences the author. The texts will be analyzed in terms of the particular structure of each and certain recurring themes. Possible readings include: Tolstoy, Herzen, Aksakov, Korolenko, Gorky, Kropotkin, Mandelstam, Nabokov, Pasternak, Zoshchenko. Also some attention to Rousseau.

Conducted as a Seminar with occasional lectures. Readings in translation or the original, depending on language proficiency. Second semester. Professor Broyde.

27. Fyodor Dostoevsky. Dostoevsky's artistic and philosophical evolution is traced through a close reading of selected stories and novels. Although primary emphasis is placed on Dostoevsky's post-exile writings (*Notes from Underground, Crime and Punishment, The Idiot, The Possessed, The Brothers Karamazov*), mature ideas are seen in genesis through analysis of earlier works (*The Double, White Nights, House of the Dead*). Topics for discussion include: Dostoevsky's creation of the novel-tragedy and the polyphonic novel, the treatment of alienation and the theme of the double, Dostoevsky's assessment of reason and utopian thought, the role of the city. Whenever possible students will be encouraged to apply their knowledge of related fields of literature (Balzac, Dickens, Camus, Kafka), philosophy, and history. Conducted as a seminar with occasional lectures.

Elective for Sophomores. First semester. Professor Rabinowitz.

28. Leo Tolstoy. Discussion and analysis of all the major fictional works, as well as a few relatively lesser known narrative and doctrinal pieces in the context of Tolstoy's thought and literary heritage. Evolutions of typical themes: from moral myopia to self-discovery, the passage from city to the land, non-resistance to evil, nature of good art, history, education, culture; investigations into the technical aspects of Tolstoy's art. Conducted as a seminar with occasional lectures; comparative studies of various types (e.g., involving Stendahl, Pushkin, Dickens, Mann, Gandhi and others) encouraged for students with appropriate backgrounds. Readings in translation or Russian, as proficiency permits. One two-hour meeting per week plus consultations.

Elective for Sophomores. Second semester. Professor Davidson.

29. Literature and Revolution: The Soviet Twenties. Russian literature from 1917-1930 studied in its cultural and historical context. The artist, the state, and the revolution. The avant-garde and its fate. Readings in prose (Babel', Zamyatin, Olesha, Gladkov), poetry (Blok, Mandel'stam, Pasternak), drama (Mayakovsky), literary theory (Trotsky, Shklovsky), and memoirs (N. Mandel'stam). Screening and discussion of films by Eisenstein, Pudovkin, Vertov, Dovzhenko. Readings in translation or in Russian, depending on language proficiency. Two class meetings and one screen/discussion per week.

Elective for Freshmen and Sophomores. First semester. Omitted 1974-75. Professor Taubman.

33. Advanced Studies in Russian Language and Culture, Part I. Study of topics and texts of general cultural significance. The course this semester will focus on Russian writers' fascination with Saint Petersburg: as a city, a symbol, and the source of a unique literary tradition. Readings will examine the development of certain themes repeatedly associated with the city in selections from the following works: Pushkin, "Bronze Horseman," "Queen of Spades"; Gogol, "Nevsky Prospekt", "Overcoat", "The Nose"; Dostoevsky, "The Double", *Crime and Punishment*; Bely, *Petersburg*; Blok, Selected Poems; Mandelstam, "Egyptian Stamp", Selected poems; Axmatova, "Poem without a Hero."

Three meetings per week, one of which will be devoted to discussions of current events in the artistic and intellectual life of the Soviet Union. Problems in the structure of Russian. First semester.

Conducted in Russian. Professor Broyde and Assistant.

34. Advanced Studies in Russian Language and Culture, Part II. Study of topics and texts of general cultural significance relating to 19th and 20th century Russia. The topic for this semester will be readings in Russian literature (poetry, drama, prose) and literary criticism of the period 1890-1910. Major writers of the realist and symbolist schools will be covered: Chekhov, Gorky, Andreyev, Bunin, Bryusov, Sologub, Bely, Annensky, Blok. Special attention to stylistic innovations in the novel (*Melkij bes; Peterburg*); poetic technique (Annensky, Blok); experimentation in the theater (*Visnivy sad; Na dne*); representative short stories (Bryusov, Bunin, Andreyev). Depending on the interest of the students, readings may include texts dealing with the specific political, social, and cultural milieux of the period. Conducted in Russian.

Second semester. Professor Rabinowitz.

37. Modern Russian Poetry and the Eighteenth Century. A seminar on selected Russian poets of the eighteenth and twentieth centuries, including Derzhavin, some Symbolists, as well as Mandelstam, Pasternak, Axmatova, Cvetaeva, and others, with analysis of their use of Russian and classical sources. Conducted entirely in Russian. To be given only once.

One or two meetings per week. First semester. Mr. Joseph Brodsky, Five-College Distinguished Visiting Professor.

77. Senior Honors Course. Meetings to be arranged.

Open to, and required of, seniors writing a thesis. First semester. The Department.

78. Senior Honors Course. Meetings to be arranged.

Open to, and required of, seniors writing a thesis. Second semester. The Department.

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97, H97 (2). **Special Topics.** Independent Reading Course in Advanced Russian. A special offering for those students who have completed Russian 34 or its equivalent. May be combined with Russian H97(1). Format and content as defined by participants in consultation with the Department. Full or half course.

First semester. The Department.

98, H98. **Special Topics.** Independent Reading Course.

Second semester. The Department.

Slavic Studies. See page 214.

Sociology. See page 79.

Spanish. See page 197.

Courses Taught By Five College Faculty 1974-1975

Joyce Bailey, Assistant Professor of Art (at Mount Holyoke under the Five College Program)

Fall: Mount Holyoke, Art 273f. History of Graphics in Latin America. M 1:00-4:00 p.m.

University, Art 298. Survey of Pre-Columbian Art in the Western Hemisphere. TTh 1:00-2:15 p.m.

Spring: Unscheduled.

Joseph Brodsky, Five College Distinguished Visiting Professor (Smith College, host)

Fall: Amherst College, Russian 37. Modern Russian Poetry and the Eighteenth Century. See page 205.

University, English 266. Modern Poetry. TTh 11:15 a.m.

Spring: Mount Holyoke, History 350s. Twentieth Century Europe: Poets of Europe including Russia under Authoritarianism; the Psychology of Endurance. Taught with Professor Peter Viereck. Tues. 3:00-4:50 p.m.

Smith, Russian 347b. Modern Poetry. Time to be announced.

Ronald Reuven Kimelman, Assistant Professor of Judaic Studies (at Amherst under the Five College Program)

ASIAN STUDIES

Fall: Amherst, Religion 21. See page 187. The Hebrew Scriptures. TTh 1:30-3:00 p.m. Hampshire SS294. Twentieth Century Jewish Thought. Tues. 10:30 a.m.-12:00 noon.

Spring: Amherst and Mount Holyoke, Religion 40 (AC) and Religion 340s (MHC). Five College Seminar in Judaic Studies. Topic for 1975: Rabbinic Judaism.

University, Judaica 101. The Mystical Hassidic Tradition and its Modern Manifestations.

Interdisciplinary and Special Programs

AFRO-AMERICAN AND BLACK STUDIES

Amherst College courses are listed under Black Studies. A list of appropriate Five-College courses may be obtained in the Office of the Registrar.

ASIAN STUDIES

A number of courses appropriate to an interdisciplinary major in Asian Studies are offered at Amherst and at neighboring institutions. The number of these has, in recent years, become too large to list here in full. Therefore, interested students are referred to a separate printed list of the many Asian courses available in the five-college area during the academic year 1973-74. This list is available from faculty members in the Asian field or in the offices of the Registrar and the Dean of the Faculty.

A general statement on Five College courses will be found on page 61 of this Bulletin. A complete list of course descriptions and enrollment information may be obtained from the Registrar.

For those students interested in Japanese language, they may enroll in a section of the University of Massachusetts course Japanese 126 to be offered in 1974-75 at Amherst College for Amherst and Mount Holyoke students by Mrs. Mutsuko Minegishi, a Fulbright instructor in Japanese from Tokyo. The course carries six credits at UMass, which is equivalent to three courses at Amherst, one in the first semester and two in the second.

Five afternoon class hours a week to be arranged. Mrs. Minegishi.

AMHERST COLLEGE
COLLOQUIA

12. Colloquium in Modern Experimental Science. The colloquium will provide for the exchange of experimental ideas among students and faculty in biology, chemistry, geology, and physics. There will be reading, discussion and experimental work directed toward the formulation of interesting problems and the application of modern techniques for their solution. Topics will evolve from year to year. The facilities of all four departments will be accessible to the group for experiments involving microscopy, optical and infrared spectroscopy, fluorescence spectroscopy, atomic absorption spectrophotometry, centrifugation, x-rays, oscilloscopes, mass spectrometry, gas chromatography, and nuclear counting.

Requisite: Permission of the course chairman. Elective for Juniors and Seniors who have completed at least three semester courses toward a major in any one of the four disciplines. Limited to fifteen students. Second semester. Professors Benson (Chairman), Brophy, Fisher, Godchaux, Hove, Murray, Valberg, and Waggoner.

13. Light and Vision. An inquiry into the nature of light, its action on the retina, and the events in the nervous system leading to visual sensation. We will begin with the physical basis for our understanding of the nature of light, including an examination of both wave and particle aspects as well as the modern probabilistic view of light. We will explore the sequence of events beginning with light entering the eye and ending with the processes occurring in the visual cortex of the brain. Topics will include quantum effects and the chemistry of vision, the neural organization of the retina, signal transmission by nerves, information processing in the retina and central visual pathways, color vision and its basis in anatomy, physiology, and theory, and perceptual illusions. We will try to develop a perspective on the visual process which crosses the traditional disciplinary boundaries. Three class hours per week and occasional use of the laboratory.

Elective for freshmen. First semester. Professors George and Kropf.

14. Intelligent Systems. An investigation of the processes and modes of organization which enable natural and artificial systems to acquire and retain knowledge, so as to respond appropriately to new situations. Ways in which living organisms perceive, recognize and act upon stimuli will be compared with analogous behavior in man-made machines. Memory organs of animals and computers, introspective accounts of thinking and learning in human beings, the formal theory of intelligent machines and computer programs which learn complex tasks will be examined in detail; the aim is, by contrasting the philosophical, mathematical, biological and technological analyses of intelligence, to gain deeper insight into its nature.

COLLOQUIA

Limited to fifteen students. Second semester. Professors R. Davidson and George.

16. Colloquium in Environmental Chemistry and Physics. An investigation of the interrelationships among pure science, applied science and technology and the quality of everyday life. A study of energy resources, methods of transformation of energy from one form to another, and in particular a study of methods of generating electrical energy. Technical and economic feasibility of various methods, and the effects of energy production on the environment and on public health. The course is intended for both non-science and science majors. First and second laws of thermodynamics, basic nuclear chemistry and physics, nuclear fission and fusion, the measurement of radioactivity and its biological effects. Independent investigation by individual students of other related environmental problems. Emphasis will be placed on gaining a quantitative understanding of environmental problems, on identifying existing gaps in knowledge, and on providing a foundation for continuing informed discussion. Two one and one-half hour meetings per week. Occasional laboratory work.

Enrollment limited. Second semester. Omitted 1974-75. Professors Fink and Yost.

18. Intelligent Life in the Universe. An analysis of the question of whether intelligent civilizations exist elsewhere in the universe, and how we might discover and communicate with them. Topics covered include the origin of the solar system, stellar evolution and element synthesis, the evolution of the earth, the abiotic origin of biological molecules, the evolution of life, instinctive versus intelligent behavior, the origin of man, and the possibility of life elsewhere in our solar system. More speculative topics include artificial intelligence, supercivilizations and our evolutionary future. Three one-hour meetings per week.

Requisite: Permission of the instructors. Enrollment limited. Second semester. Professors Greenstein and Zimmerman.

19. The Natural Science of the Human Organism. The course will consider the major physical and physiological principles involved in human birth, life, and death. Selected topics will inquire into the underlying physiology that forms our understanding of cells, organs, organ systems, and organisms as they respond to a changing environment. Quantitative reasoning will be the touchstone for elucidating body function from the macroscopic level to the microscopic and atomic levels. This analysis depends on recognizing the physical laws behind the life processes, the spatial scale, and the temporal scale of living organisms. A major goal will be to gain some insight into the operation, the organization, and feedback regulation of the human organism.

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Requisite: Satisfactory performance in a previous college-level natural science course. Physics 13 and 14 are strongly recommended for an in-depth approach to the subject. Alternate qualifications such as a high-school physics, chemistry, or biology course should be discussed with the instructors. First semester. Omitted 1974-75. Professors Karfunkel and Valberg.

21. Colloquium in the Nature of Deviancy. Designed to illuminate our understanding of particular kinds of alleged deviant behavior, such as: criminality, homosexuality, and insanity in the light of social science theory.

Elective for Freshmen. First semester. Professors Buff and Pitkin.

23. Colloquium: Sex and Politics. The Impact of Sex on Power and Influence in Society. The influence of sex on politics: society's use of sexual categories in the distribution of social and political roles; the translation of sex differences into restrictions on political participation; the effect of those restrictions on the polity's ability to achieve its stated values one two-hour meeting and one one-hour meeting per week.

Requisite: Introductory level courses in political science and psychology. Elective for Juniors. Admission by consent of the instructors. Limited enrollment. First semester. Professors Olver (Amherst), Grossholtz (Mount Holyoke), and Bourque (Smith). Located at Smith College 1974-75.

25. Interdisciplinary Perspectives on Language. An introduction to the phenomenon of language, with a view to developing our awareness of its nature, structure and functions, and its relevance to various disciplines, including Anthropology, Philosophy, English and Foreign languages, Linguistics, Psychology. Topics to be considered may include: human vs. non-human languages, artificial languages, language and thought, meaning, linguistic methodology (descriptive procedures), language acquisition, language and culture, translation, poetics, language change, language and brain (neurolinguistics), pedagogy, writing systems. Two sessions per week, with occasional guest lectures.

Elective for freshmen. First semester. Professors Spelman and Bruss.

27. Medieval Civilization. An intensive investigation of selected aspects of medieval society and culture. In 1974-75 the course will concentrate on Southern France c. 1000- c. 1350.

Requisite: At least one semester of medieval history. A reading knowledge of French and Latin will be very useful. Admission by consent of the instructor only. First semester. Professors Cheyette (Amherst), Lewis (Univ. of Mass.), and Switton (Mount Holyoke). Located at Amherst College first semester 1974-75.

28. Currents of Romanticism in France and England. The first half of the course will center on the figure of Napoleon, considered in light of the ethos of neoclassicism and the French Revolution; the spread of Romanticism in post-Napoleonic France, with reference to major representatives of the arts and political thought. The second half will center on the works of Blake, Wadsworth, Carlyle, and major British painters of the era; the eighteenth century premonitions of Romanticism to early Victorianism. One or two class meetings per week.

Limited to twenty students with permission of instructor. Second semester. Professors Halsted and Trapp.

36. Society and Literature in 18th and early-19th Century France. Perceptions of social reality, as seen in *belles-lettres* and social and political commentary, including works of the Revolution. Special emphasis will be placed upon conceptions of the nobility. Readings in anthropological literature on caste and class will be assigned to try to assess the place of 18th and 19th century assumptions in a cross-cultural context. A reading knowledge of French is recommended but not required. To be offered once only.

Limited to twenty-five students. Second semester. Professors Giordanetti and Weary.

38. Cross Currents in French and German Drama Since World War I. An examination of major dramatic modes and themes that have moved between the French and German stage from 1920 to our time. We will not be looking for "influences", but for important common intellectual and artistic strains that are reflected in stage conventions, dramatic images, plot patterns. The history and politics of France and Germany will be an important backdrop to our analysis, which will include works by Piscator, Artaud, Brecht, Adamov, Genet, Weiss, Armand Gatti. Fresh departures in procedures of performance and in audience participation (Documentary Theater, Popular Theater, Street Theater and others) will be part of our inquiry. Three hours of class work per week.

Reading knowledge of French or German would be helpful but is not required. Second semester. Professors Pini and White.

40. Music and Poetry. A comparative exploration of music and poetry, intended to discover and extend the limits within which poetry may be viewed as a structure of sounds, and music as an expression of value and meaning. Topics of discussion will include the relationship between inherited and created syntax in musical and poetic language, the influence of speech patterns in musical articulation, the setting of words to music, and the phonological and metrical structure of poetry. The course will survey the critical and theoretical literature which deals with these topics including

AMHERST COLLEGE

the writings of Poe, Valéry, Hopkins, Jakobson, Stravinsky, Zuckerkandl, Schenker, and Meyer), and will involve intensive study of poetry and both instrumental and vocal music.

Requisite: Ability to read music; a reading knowledge of one foreign language is desirable. Second semester. Omitted 1974-75. Mr. Maraniss and Professor Spratlan.

42. Colloquium in Japanese Cultural History. An interdisciplinary course which explores Japan's traditional artistic, literary and religious heritage through visual and performing arts, literature and music. The course will attempt to develop an understanding of the Japanese aesthetic sense through lectures, films, slides and class demonstrations. Special attention will be given to the artistic forms and practices associated with Zen — the tea ceremony's ritual and ceramics, landscape gardens, *ikebana*, *suiboku* painting, the meditative discipline of *zazen* and other types of mental training.

Limited to twenty-five students. Second semester. Professor Moore and Five-College Staff.

EDUCATION

Professors Hawkins, Heath, and Olver. Associate Professor Grose.

The following courses offered by the several departments are listed for the convenience of students who are interested in education and teaching. Students seeking to be certified for public school teaching positions should consult the separate materials in the Career Counseling and Registrar's Offices concerning courses available at the Five Colleges and State certification requirements.

Developmental Psychology. See Psychology 27s.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Olver.

Educational Psychology. See Psychology 34.

Requisite: Psychology 11. Elective for Sophomores. Seminar course limited to fifteen students with the consent of the instructor. Second semester. Professor Grose.

Seminar in American Educational History. See History 66.

Limited to fifteen students. Second semester. Professor Hawkins.

European Studies. See page 126.

HISTORY OF SCIENCE

HISTORY OF SCIENCE

Darwin: Evolutionary Thought and its Origins and Influences. See History 37s.

Seminar for Juniors and Seniors. Second semester. Professor Burlingame.

History of Science is offered at Amherst College, Smith College and the University of Massachusetts. A list of specific courses will be found at the Office of the Registrar.

LATIN AMERICAN STUDIES

A list of courses has been compiled as an aid to students in the Five College area seeking programs on Latin America or with Latin American content, containing both general courses which embody topics dealing with Latin America as well as courses devoted substantially or exclusively to the area. The Spanish language is taught at Amherst and Mount Holyoke Colleges, and both Spanish and Portuguese are taught at Smith College and the University of Massachusetts. Mount Holyoke offers an interdepartmental major in Latin American Studies, while Smith offers two programs in Hispanic-American Studies, one in literature and the second in fields other than literature. A Certificate Program in Latin American Studies will be available, subject to approval, at the University of Massachusetts.

The list of courses in Latin American Studies, complete descriptions of individual courses, and enrollment information may be obtained from the Registrar.

LEGAL STUDIES

Professors Kearns, Latham and Sarat.

American Constitutional History. See History 84.

Second semester. Omitted 1974-75. Professor Latham.

The American Constitution. See Political Science 41.

First semester. Professor Latham.

Law, Politics and Society. See Political Science 22f.

First semester. Professor Sarat.

Judicial Process and Policy Making. See Political Science 42.

Second semester. Professor Sarat.

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Senior Rite Seminar. See Political Science 75.

First semester. Professor Sarat.

Seminar in Philosophy. See Philosophy 61.

Requisite: Permission of the instructor. (Suggested: three philosophy courses passed with at least a C). Elective for Juniors. First semester. Omitted 1974-75. Professor Kearns.

LINGUISTICS

Amherst College offers a course in Language and Society (English 85s), and Psycholinguistics (Psychology 36). Hampshire College offers courses in Language Acquisition, Theories of Language, Semantics, and Psycholinguistics. Mount Holyoke College has courses in Descriptive Phonetics and Communication Theory. The University of Massachusetts offers courses on both the undergraduate and graduate level in Speech and Language Theory, Phonetics, General Linguistics, Phonological Theory, and Syntax.

SLAVIC STUDIES

A student at Amherst College may develop a program in Slavic Studies from courses offered here and at Mount Holyoke and Smith Colleges and the University of Massachusetts. Courses in the fields of anthropology, economics, government and political science, history, Polish, Russian, and sociology which may be included in a Slavic Studies program are listed in a booklet, published by the Office of the Five College Coordinator, which is available from the Registrar.

IV

LECTURESHIPS

HONORS

FELLOWSHIPS

PRIZES AND AWARDS

The Merrill Center



Lectureships

The Henry Ward Beecher Lectureship. This lectureship fund of \$10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

The Clyde Fitch Fund. A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

The Victor S. Johnson Lectureship Fund. This fund, amounting to \$35,569, was established in memory of Victor S. Johnson by his sons for the purpose of "bringing to the campus each year a stimulating individual worthy of the lecturer's purpose of serving the best tradition of the liberal arts and individual freedom."

The John Woodruff Simpson Lectureship. A fund now amounting to \$215,500 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

The George William and Kate Ellis Reynolds Lectureships. A fund of \$150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately \$14,500 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

The Willis D. Wood Fund. The income from this fund, established in memory of Willis D. Wood '94, and now amounting to \$109,145, is used for the purpose of "bringing to the campus, for varying lengths of stay, persons in the field of religion to meet and talk with students and faculty about different aspects of the spiritual life."

Honors

THE PHI BETA KAPPA SOCIETY

Massachusetts Beta Chapter. The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership is extended to about a tenth of the students in each class.

OFFICERS

President: Professor Dudley Herbert Towne

Vice President: Professor Frederic Lawrence Cheyette

Secretary-Treasurer: Professor Robert Campbell Townsend

Auditor: Professor Rose Richardson Olver

Undergraduate President: Peter Charles Jelavich

Undergraduate Vice-President: David William Ferguson

Undergraduate Secretary-Treasurer: William John Magoon

INITIATES

Class of 1975

David William Ferguson

Peter Charles Jelavich

David N. Mastronarde*

William John Magoon

Alexander A. Notopoulos, Jr.

Kevin J. O'Brien

Class of 1974

Paul R. Antonucci

Mitchell Berns

David S. Blistein

Joseph A. Bonanno

Wang K. Cheung*

Robert D. Collins, Jr.

William O. Cooke, Jr.

Gianni C. Donati

Mark N. Duvall

Kenneth J. Ellen

Kenneth W. Franklin

Charles S. Goldberg

Louis M. Goldring

Edwin J. Heffernan

Christopher E. Holt

Walter C. Johnson

Kenneth J. Krushel

Kenneth M. Laff

Michael P. Long

Marc E. Manly

Steven M. Ostner

Joseph W. Rock

* These students elected in their junior year

HONORS

Michael A. Rogawski
David Satran
Peter A. Schlesinger
John P. Schnitker
Robert D. Semlear
Bruce N. Shortt
Peter J. Sims
Edmund B. Spaeth
Michael B. Starkman

Robert L. Steinbrook
Pierre N. Tariot
Glenn E. Thomas
Richard T. Thomson
Raphael T. Tshibangu
James D. Velleman*
William S. Waddell, Jr.
Hardy C. Wilcoxon, Jr.

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).[†] At present the chapter has a total membership of some 100 faculty and students.

OFFICERS

President: Professor Gerald Patrick Brophy

Vice-President: Professor Duane W. Bailey

Secretary-Treasurer: Professor Robert Frederick Tinker

[†] Full membership is reserved for individuals who have already published at least one scholarly paper.

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INITIATES 1974

Full Membership

Stephen Anthony George
Jan Pieter Rotmans

Russell Henry Weigel

Associate Membership

James Todd Amsterdam
Paul Robert Antonucci
William Thomas Barton
Mark Philip Carol
Stephen Russell Carpenter
Wang Kong Cheung
David Paul Corey
David Francis Demick
Adrian Walter Doherty, Jr.
Stephen Edmund Ettinghausen
Kenneth William Franklin
Charles Stephen Goldberg
Michael Gordon
Nicholas Bennett Harris
Robert Warren Howarth
Brett Turnley Kirkpatrick
Harvey Merrill Kramer

Paul Reggie LaPointe
Robert Frederick Lorch, Jr.
David Nicholas Mastronarde
Howard Alan Nadworny
Joel Scott Nizin
Thomas Edward Quinn
Douglas Gordon Richards
Michael Andrew Rogawski
Barrett Jon Rollins
Harvey Jay Rosenfield
Peter Alan Schlesinger
Stephen Lamont Senft
Robert Stein
Roland Baker Stoughton
Glenn Ellwood Thomas
Charles Home Trautmann
Mark Andrew Troll

Fellowships

THE College's funds for fellowships aggregate \$875,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College for study in graduate or professional schools. Applications should be made before February 15 on forms available from the Dean of the Faculty.

The names of those to whom fellowships have been awarded for the current year will be found on pages 24-26.

The Amherst-Doshisha Fellowship. Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of \$1,800, a travel allowance of \$1,400, and incidental expenses of \$250; a special revaluation allowance may be added. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through Southeast Asia during February and March.

Applicants should apply to the Dean of Faculty's office no later than December 15.

The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry. A fund of \$138,300 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curios-

AMHERST COLLEGE

ity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Evan Carroll Commager Fellowship. A gift of \$22,350 from Professor Henry Steele Commager, in memory of his late wife and "as a testimony to her affection for this College," was made to enable an Amherst student to study at Cambridge University, England. The Fellowship carries a stipend of \$1,000 for one year but may be renewable for a second year. The award is open to any student, but a senior will be favored and preference will be given to students applying to Peterhouse, St. John's College, Trinity College, and Downing College.

The Henry P. Field Fellowships. Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the Class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

The Warner Gardner Fletcher Fellowship—The income from a gift of \$5,000 from the late Warner Gardner Fletcher of the Class of 1941 is awarded to an Amherst graduate who intends to "pursue work for the improvement of education." The award is made by the Fellowship Committee and preference is given to candidates who are engaged in the study of education and then to candidates for the Master of Arts in Teaching.

FELLOWSHIPS

The Edward Hitchcock Fellowship. The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N.Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

The Roswell Dwight Hitchcock Memorial Fellowship. A fund of \$9,200, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

The Rufus B. Kellogg University Fellowship. The income from a fund of \$74,700 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

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The Sterling P. Lamprecht Fellowship. From the income of \$32,900 a fellowship is awarded to a recent graduate of Amherst College for assistance in the pursuit of philosophy. This fellowship may be awarded to the same man for a maximum of three years. It need not be awarded at all in one particular year, and it might be, if there were no suitable graduate, awarded to an undergraduate in which case it would be known as the Sterling P. Lamprecht Scholarship. Preference, however, would be given for graduate study.

The Edward Poole Lay Fellowship. The income from a fund of \$49,500, established by Frank M. Lay, of the Class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the Class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Forris Jewett Moore Fellowships. These fellowships, three in number, were established in memory of Forris Jewett Moore of the Class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$35,200, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$24,700, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.

3. A fund of \$28,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

The George Stebbins Moses Memorial Fellowship. The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of

FELLOWSHIPS

ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The George A. Plimpton Fellowships. These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the Class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

The C. Scott Porter Memorial Fellowship for Graduate Study. Established at Amherst in 1972 by the family of C. Scott Porter of the Class of 1919, mathematics professor, 1924-31, and Dean of the College for thirty-five years from 1931-1966, the C. Scott Porter Memorial Fellowship is to be awarded annually to an alumnus of the College for graduate study without restriction as to department or field of study. Awards are to be made by the Fellowship Committee.

The Charles B. Rugg Fellowship. The income from a fund of \$26,600 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

The John Woodruff Simpson Fellowships and Lectureships. A fund now amounting to \$215,500 was established in memory of John Woodruff Simpson of the Class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

AMHERST COLLEGE

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Benjamin Goodall Symon, Jr. Memorial Fellowship. The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The fellowship will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The Roland Wood Fellowship. Awarded annually upon the recommendation of the Department of Dramatic Arts as a fellowship to one or more promising and deserving graduates of Amherst College for continued study in or of the theater.

Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome. The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any teacher of Classics at the College.

PRIZES AND AWARDS

Prizes and Awards

THE following prizes and awards are offered annually for proficiency in the work of the several departments of collegiate study and, in some specific awards, for other achievements and qualifications. The amount and the recipient of awards for the previous year are stated in each case.

AMERICAN STUDIES

The George Rogers Taylor Prize. To the student enrolled in American Studies 12 who, in the opinion of the American Studies Department, shows most promise for creative and scholarly work in the field of American Studies. *John Peter Schnitker '74.*

ART

The Anna Baker Heap Prize. Established by Arnold N. Heap of the Class of 1873—To that senior who submits the best essay in the field of "Art." *No award in 1974.*

The Athanasios Demetrios Skouras Prize. Given by the Class of 1936 in memory of Athanasios Demetrios Skouras of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings—To a student who, in the opinion of the Fine Arts Department, has created an outstanding work of art or architecture; or to a student who, in the opinion of the Music Department, is pre-eminent in music composition or performance, *preferrence to be given in the fine arts. \$100 to Michael Bruce Starkman '74.*

The Wise Fine Arts Award. Established by Marion J. Wise, Jr. of the Class of 1931—To that undergraduate who has distinguished himself by creating an original work or works of art during the past year. The award, a stipend, is presented annually in the spring by the Wise Fund Council. The prize-winning work of art will become the property of the Trustees of Amherst College. *Peter Yeames Wise '75.*

BIOLOGY AND GEOLOGY

The Harvey Blodgett Award. Established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the Class of 1829—To aid student work in biology and geology in their educational phases as distinct from their more technical and scientific phases. (Combined with the Phi Delta Theta Award.) *\$310 to Jeffrey Alan Kaye '76.*

AMHERST COLLEGE

The James R. Elster Award. Established by Dr. and Mrs. Samuel K. Elster in memory of their son, James R. Elster of the Class of 1971—To provide research support in the summer months to an undergraduate studying in the Department of Biology who is designated by the Chairman in consultation with Department members. \$435 to *Bennett Edward Ojserkio '75*.

The Phi Delta Theta (Sigma) Award. Established by Phi Delta Theta Fraternity—To a student of biology for summer work at the Woods Hole Marine Laboratory. (Combined with the Harvey Blodgett Award.) \$310 to *Jeffrey Alan Kaye '76*.

The Oscar E. Schotté Prize. To that member of the graduating class who, in the opinion of the Department, has done the best independent work in biology. \$32.50 to *Robert Warren Howarth '74* and \$32.50 to *Barrett Jon Rollins '74*.

The Oscar E. Schotté Summer Research Award—To a junior or senior majoring in science to enable him to complete a special project during the summer months. \$275.00 to *Tucker Otis Collins '75*.

CHEMISTRY AND MEDICINE

The Howard Waters Doughy Prize. Established by an anonymous donor—To that member of the senior class who, in the opinion of the Department of Chemistry, has prepared the best honors thesis. \$110 to *Glenn Ellwood Thomas '74*.

The Frank Fowler Dow Prizes. Established by Fayette B. Dow of the Class of 1904 in memory of his father—To that junior or senior preparing to enter medical school, whose undergraduate work indicates a career of usefulness and distinction in medicine. \$300 to *Peter Alan Schlesinger '74*.

DRAMATICS

The Raymond Keith Bryant Prize. Given by Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant of the Class of 1936—To that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play. \$40 to *Marshall Bartlett Purdy '74* for his performance of *Cliff Lewis* in *Look Back in Anger*.

ECONOMICS

The W. T. Akers, Jr. Prize. Given by W. T. Akers, Jr. of the Class of 1927—To that undergraduate who, in the opinion of the Department of Economics, has submitted the best honors thesis in economics. \$75 each to *Joel Walker Hay '74*, *Marc Edward Manly '74*, and *John Robert Metz '74*.

PRIZES AND AWARDS

The Hamilton Prize. Established by his former students in memory of Professor Walton Hale Hamilton (Amherst College 1915-1923)—To that student other than a senior who ranks highest in the introductory economics course. \$30 to *Andrew Joseph Friedman '76* and \$30 to *Stephen Inman Glover '77*.

The Merrill Center Prize—To that senior who, in the opinion of the Department of Economics, has written an honors thesis of distinction upon a subject related to capital formation and economic growth. *No award in 1974.*

The Sylvester Prize. To that junior majoring in economics, who has done outstanding work in the department while maintaining a worthy general average. *No award in 1974.*

ENGLISH

The Academy of American Poets Prize. Given by Harry Woodbourne—To the undergraduate submitting the best poem or group of poems, preferably on nature. \$50 to *William James Graves '74* and \$50 to *Richard Doremus Tietjen, Jr. '74*.

The Armstrong Prize. Established in part by Collin Armstrong of the Class of 1877 in memory of his mother Miriam Collin Armstrong—To members of the freshman class who excell in composition. \$70 to *Duncan Maxwell Anderson '77* and \$70 to *Jeffrey Scott Deertsch '77*.

The Collin Armstrong Poetry Prize. Established in part by Mrs. Elizabeth H. Armstrong—To the undergraduate submitting the best original poem or group of poems. \$140 to *Lee Nathan Polevoi '75*.

The Corbin Prize. Established by a bequest from the estate of William Lee Corbin of the Class of 1896—To a student submitting an outstanding original composition in the form of poetry or an informal essay. \$50 to *William James Graves '74* and \$50 to *Richard Doremus Tietjen, Jr. '74*.

The Harry Richmond Hunter, Jr. Prize. Established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the Class of 1929—To that sophomore who presents the best essay on a topic approved by the Department of English. \$50 to *John Howard Monroe '76*.

The Peter Burnett Howe Prize. Established by Robert B. Howe of the Class of 1930 in memory of his son, Peter Burnett Howe of the Class of 1960—To an undergraduate for excellence in prose fiction. \$60 to *Eric Richard Biggs '74*.

AMHERST COLLEGE

The Ralph Waldo Rice Prize. Established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice of the Class of 1910—To the student submitting the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty. *No award in 1974.*

FRENCH

The Frederick King Turgeon Prize in French Literature. Established by former students of Professor Turgeon (Amherst College 1926-1969)—To the student who, in the opinion of the faculty in French, has done particularly distinguished work in French literature during the year. *Books and \$40 each to Henry Nordling Eakland '74 and Michael Chase Mullins '76.*

GREEK

The William C. Collar Prize. Established by William C. Collar of the Class of 1859—To the freshman who shall make on a written examination the best version in English of a previously unseen page from some Greek author. *\$67.50 to Mitchell Page Tolbert '77 and \$67.50 to Douglas Edward Green '77.*

The Hutchins Prize, from the income of a fund of \$1,400, established by the late Waldo Hutchins of the Class of 1842; \$145 is awarded to an upper-classman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates. *\$130 to Dennis Lackey Curry '74.*

HISTORY

The Alfred F. Havighurst Prize—To that student majoring in the Department of History who, in the opinion of the faculty in history, has, in his four years at Amherst College, best fulfilled the standards of excellence and humane scholarship exemplified by Alfred F. Havighurst during the many years (1931-1970) of his teaching career at Amherst College. *\$47.50 to Joseph Anthony Bonanno '74 and \$47.50 to Kevin John O'Brien '74.*

The John Albree, Jr. Class of 1882 Memorial Fund. To reward outstanding and creative achievement by one or more undergraduate students at Amherst College in the form of a prize scholarship or fellowship to support them either in the completion of their work at Amherst or at a professional or graduate school after graduation from Amherst to encourage further outstanding and creative achievement. *\$62 to Alexander Anastasios Notopoulos, Jr. '74.*

PRIZES AND AWARDS

JOURNALISM

The Samuel Bowles Prize. Established by Samuel Bowles King of the Class of 1902 to stimulate interest in journalism as a career—To a junior or senior who has demonstrated proficiency in journalism. The available income may be used from time to time for a scholarship or toward a lectureship. \$395 to *John Cullen Murphy, Jr. '74.*

LATIN

The Bertram Prizes. Established by John Bertram of Salem—To students attaining a high average in Latin courses of the senior year who also present the best essays on some approved topic connected with these courses. \$140 to *Stephen Paterson Belcher, IV '74* and \$140 to *James David Velleman '74.*

The Billings Prizes. Established by Frederick Billings in memory of Parmly Billings of the Class of 1884—To students achieving general excellence in the Latin courses of the sophomore year who also present the best essays on some approved topic connected with the authors read in that year. *First and Second Prizes: \$130 to Scott Bradbury, Hampshire College.*

The Crowell Prizes. Established in memory of Edward Payson Crowell of the Class of 1853—To students of the highest scholarship in the freshman Latin courses; and to students attaining a high average in the Latin courses of the junior year who also present the best essays on some approved topic connected with these courses. *Freshman Awards: First and Second Prizes: \$55 each to Stephen Cole Farrand '77 and John Francis Foran, Jr. '77; Junior Awards: First and Second Prizes: \$110 to Alan Inglis '75.*

MATHEMATICS, PHYSICS AND ASTRONOMY

The Bassett Physics Prizes. Established by Preston Rogers Bassett of the Class of 1913—To students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in physics. *First Prize: \$250 to David Geary Boal '77; Second Prize: \$150 to David Paul Carbone '77.*

The Robert H. Breusch Prize. To the senior who, in the opinion of the faculty in mathematics, has presented the best honors thesis in mathematics. *No award in 1974.*

The Porter Prize. Established by Eleazer Porter of Hadley—For proficiency in first-year astronomy. \$80 to *Michael Baruch Delfiner '77.*

AMHERST COLLEGE

The William Warren Stifler Prize. Established by Professor Stifler (Amherst College 1925-1953)—To a senior majoring in physics, nominated by the faculty in physics, for excellence in the courses of the junior and senior years, with special weight in the course on electricity and magnetism. \$105 to *Kong Cheung* '74.

The Walker Prizes. Established by William J. Walker of Newport, Rhode Island—To students achieving proficiency in mathematics of the first and second years as determined by an examination. *First Year—First Prize: \$200 to Mark Isaac Heiligman* '77; *Second Prize: \$100 to Kent Stanfield Johnson* '77; *Second Year—First Prize: \$200 to David Marc Levy* '76; *Second Prize: \$100 to Charles Edward Davidow* '76.

MUSIC

The Eric Edward Sundquist Prize. Established by the Class of 1936 in memory of Eric Edward Sundquist of the Class of 1936—To a senior who has demonstrated excellence in musical composition and performance. \$100 to *Gianni Corso Donati* '74.

PHILOSOPHY AND RELIGION

The Moseley Prizes. Established by Thomas W. H. Moseley of Hyde Park—To seniors for the best essays on a subject pertaining to the study of religion. *First Prize: \$510 to David Satran* '74; *Second Prize: \$260 to Kenneth Joseph Krushel* '74.

PHYSICAL EDUCATION

The Sawyer Prizes. Established by Edmund H. Sawyer (Hon. 1878)—To senior and sophomore students for improvement in the Department of Physical Education. *No award in 1974.*

Sphinx Club Spoon. The Sphinx Club of Amherst College awards the Sphinx Spoon at the annual All-Sports Banquet to: "that member of the student body irrespective of class and not necessarily an athlete, who in the eyes of the Committee consisting of the President of the College, the Dean of the College, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and upon the recommendations of the Sphinx Club, has done the most to promote the interests of athletics at Amherst during the past year—interest to be defined as unusual participation in athletics, or outstanding contribution to the management or promotion of athletics, or in any way focusing the attention of the College or the public on athletics at Amherst College." *James Cassel Warren* '74.

PRIZES AND AWARDS

POLITICAL SCIENCE

The Densmore Berry Collins Prize. Given by Miss Margaret S. Densmore in memory of her nephew, Densmore Berry Collins of the Class of 1940—To the student submitting the best honors thesis in the Department of Political Science. \$25 to *David Charles O'Kell '74* and \$25 to *James Laureston Telfer '74*.

PUBLIC SPEAKING

The Bancroft Prizes. Established by Frederic Bancroft of the Class of 1882—To the two seniors who produce the best orations, both composition and delivery being considered in making the award. *First Prize: \$400 to Michael Andrew Kahn '74; Second Prize: \$230 to Kenneth Joseph Krushel '74.*

The Gilbert Prize. Established by William O. Gilbert of the Class of 1890—To the junior who produces the best oration, both composition and delivery being considered in making the award. *\$100 to Norman Cecil Tobias '75.*

The Hardy Prizes. Established by Alpheus Hardy of Boston—For excellence in extemporaneous speaking. *First Prize: \$80 to David H. Smilow '74; Second Prize: \$40 to James Cassel Warren '74.*

The Kellogg Prizes. Established by Rufus B. Kellogg of the Class of 1858—To sophomores or freshmen for excellence in declamation. *First Prize: \$70 to Terry Alan Pollock '77; Second Prize: \$50 to Ronald Heribert Ware '76.*

The Rogers Prize. Established by Noah C. Rogers of the Class of 1880—To a junior for excellence in debate. *\$80 to Robert James McCartney '75 and \$80 to Laurence Edward Gold '75.*

SCHOLARSHIP AND CITIZENSHIP

The Addison Brown Award. Established by Addison Brown of the Class of 1852—To that senior already receiving financial assistance under the regular procedures of the College who shall have attained the highest standing in the studies of the first three years. *\$615 to Wang Kong Cheung '74.*

The Samuel Walley Brown Award. Established by Samuel Walley Brown of the Class of 1866—To that sophomore who, at the end of the sophomore year, shall, in the estimation of the Trustees, rank highest in his class in character, class leadership, scholarship, and athletic ability. *\$615 to David William Ferguson '75.*

The Computer Center Prize—For outstanding contributions in the application of the computer to a broad range of academic disciplines, and for help to students and faculty at the Computer Center. *Book to Douglas Weber '74.*

AMHERST COLLEGE

The Friends of the Amherst College Library Prizes—To students who demonstrate strong interests in book collecting and who present good beginning collections. *First Prize: \$75 to Adam Jared Apt '77; Second Prize: \$50 to Terry Alan Pollock '77; Third Prize: \$25 to Ronald Heribert Ware '76.*

The Robert L. Leeds, Jr. Honor Award. Established in honor of Robert Leeds, Jr. of the Class of 1951—To a senior who has demonstrated through action a lasting commitment to projects of social concern. *A \$100 bond and an engraved medallion to Brett Turnley Kirkpatrick '74.*

The Gordon B. Perry Memorial Award—To a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding. *\$140 and a trophy to James Callan Philbrick '77.*

The Porter Admission Prize. Established by Eleazer Porter of Hadley—To the entering freshman who is adjudged to have the best general record on the College Board tests taken for admission to Amherst, the name of the successful candidate and that of his school to be published in the catalog. *\$118 to John Francis Foran, Jr. '77.*

The Psi Upsilon Prize. Established by Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter—To that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be "The First Citizen of the College." *\$450 to James Cassel Warren '74.*

The John Sumner Runnells Memorial Prize. Established in memory of John Sumner Runnells of the Class of 1865—To that sophomore who is, in the opinion of the Trustees of the College, preminent in his zeal for knowledge and industry to attain it. *\$615 to Carl Oxholm, III '75.*

The Obed Finch Slingerland Memorial Prize. Established anonymously and awarded by the Trustees of the College—To that junior, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education. *\$1,200 to Terry Lonzo Medley '74.*

The Stanley V. and Charles B. Travis Prize. Established by Charles B. Travis of the Class of 1864—To that member of the graduating class who has made the most improvement as a man and as a scholar during his college course. (Combined with The Woods Prize.) *\$132.50 to Joseph Anthony Bonanno '74 and \$132.50 to William Thomson Taylor '74.*

The M. Abbott Van Nostrand Prize. Given by The Friends of the Amherst College Library—To that entrant in the student book collection competition who demonstrates considerable experience, knowledge, and ability in book collecting. *No award in 1974.*

PRIZES AND AWARDS

The Woods Prize. Given in memory of Josiah B. Woods of Enfield—For outstanding excellence in culture and faithfulness to duty as a man and as a scholar, particular attention being given in any prominent case of improvement during the four years' course. (Combined with the Travis Prize.) \$132.50 to *Joseph Anthony Bonanno '74* and \$132.50 to *William Thomson Taylor '74*.

The Ashley Memorial Trophy. Given by the Class of 1916 in memory of Thomas W. Ashley who was killed in action at Belleau Wood in 1918—To the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game." *Daniel Cameron Johnson '74* and *Freddie Lee Scott '74*.

The Howard Hill Mossman Trophy—To that senior who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and sportsmanship. *Freddie Lee Scott '74*.

The Lincoln Lowell Russell Prize. Established by J. W. Russell, Jr. of the Class of 1899, in memory of his son—To that member of the graduating class who has done most to foster the singing spirit in Amherst College. \$40 each to *H. Russell Ives '74*, *Charles Richardson Skeele '74*, and *Dalton Smith Winslow '74*.

Degrees Conferred

JANUARY 19, 1974

Bachelor of Arts

RITE

Steven Allen Cadwell
Pittsford, Vermont
William Clark Ogilvie
St. Louis, Missouri

Steven Overton Strimer
Delaware, Ohio

APRIL 6, 1974

Bachelor of Arts

SUMMA CUM LAUDE

Peter Jay Sims
Independent Scholar
New Rochelle, New York

MAGNA CUM LAUDE

Malcolm Paul Douglass, Jr.
English
With Field Study
Claremont, California
Joseph Vincent Patrick Long, III
English
With Field Study
Potomac, Maryland

Paul Dennis Reingold
English
With Field Study
Bow, New Hampshire

CUM LAUDE

Anthony Bennett Anderson,
Natural Science
Miami, Florida
Andrew Alexander Caffey
Political Science
(rite in English)
Timonium, Maryland

David Duane Freudenthal
Economics
With Field Study
Thermopolis, Wyoming
Thomas Mark Scurrah
Music
Berne, New York

DEGREES CONFERRED

RITE

Robert Everett Bosworth
Bolton, Connecticut

Alistair John Alexander Catto
Forfar, Scotland

Kerry Howard Caviston
Wenham, Massachusetts

Thomas Aquinas Hayner
Lexington, Massachusetts

Edwin James Heffernan
With Field Study
Wells Beach, Maine

John Fairbank Lacey
Mendham, New Jersey

George William Sampson
Norwich, Vermont

Edmund Benjamin Spaeth, III
Philadelphia, Pennsylvania

Thomas Gordon Veeder
With Field Study
Brielle, New Jersey

Keith Richard Weller
East Grand Rapids, Michigan

Ronald Henry Young
Fort Pierce, Florida

JUNE 7, 1974

Bachelor of Arts

SUMMA CUM LAUDE

David Schaffer Blistein
English

Joseph Anthony James Bonanno
History

Wang Kong Cheung
Physics

Gianni Corso Donati
Independent Scholar

Kenneth James Ellen
English

Charles Stephen Goldberg
Psychology

Louis Mark Goldring
Philosophy

Joel Walker Hay
Economics

Walter Caroll Johnson
English

Providence, Rhode Island

Tenafly, New Jersey

Hong Kong

Williamstown, Massachusetts

Winnetka, Illinois

Forest Hills, New York

Jackson, Michigan

Portland, Oregon

White Plains, New York

AMHERST COLLEGE

Michael Paul Long <i>Music</i>	<i>Spring Valley, New York</i>
Marc Edward Manly <i>Economics</i>	<i>Kokomo, Indiana</i>
David Nicholas Mastronarde <i>Independent Scholar</i>	<i>Amherst, Massachusetts</i>
Alexander Anastasios Notopoulos, Jr. <i>History</i>	<i>Hollidaysburg, Pennsylvania</i>
Kevin John O'Brien <i>History</i>	<i>Enfield, Connecticut</i>
Peter Alan Schlesinger <i>Chemistry</i>	<i>Great Neck, New York</i>
John Peter Schnitker <i>American Studies</i>	<i>Toledo, Ohio</i>
Bruce Nevin Shortt <i>Philosophy</i>	<i>Federal Way, Washington</i>
Glenn Ellwood Thomas <i>Chemistry</i>	<i>Louisville, Kentucky</i>
Richard Thomas Thomson <i>English</i>	<i>Excelsior, Minnesota</i>
Hardy Culver Wilcoxon, Jr. <i>English</i> <i>(rite in Philosophy)</i>	<i>Nashville, Tennessee</i>

MAGNA CUM LAUDE

Bruce Domenick Angiolillo <i>English</i>	<i>Roslyn Harbor, New York</i>
Paul Robert Angelo Antonucci <i>Physics</i>	<i>Windsor, Connecticut</i>
William Thomas Barton <i>Geology</i>	<i>Summit, New Jersey</i>
Stephen Paterson Belcher, IV <i>English</i>	<i>Washington, District of Columbia</i>
Peter Edward Brawley <i>American Studies</i>	<i>Stratford, Connecticut</i>
Mark Philip Carol <i>Independent Scholar</i>	<i>Mamaroneck, New York</i>
Stephen Russell Carpenter <i>Biology</i>	<i>Bethesda, Maryland</i>
Paul Christopher Patrick Casey <i>English</i>	<i>Acton, Maine</i>
Robert Maynard Cohen <i>Independent Scholar</i>	<i>Chevy Chase, Maryland</i>

DEGREES CONFERRED

Joseph Patrick Crowe, Jr. <i>Biology</i>	<i>Shaker Heights, Ohio</i>
Jeffrey Lloyd Cruikshank <i>Independent Scholar</i>	<i>Maplewood, New Jersey</i>
David Francis Demick <i>Independent Scholar</i>	<i>Pittsfield, Massachusetts</i>
Adrian Walter Doherty, Jr. <i>Geology</i>	<i>Short Hills, New Jersey</i>
Mark Nichol Duvall <i>English</i>	<i>Alexandria, Virginia</i>
Henry Nordling Eakland <i>French</i>	<i>La Canada, California</i>
Armand Avram Eisen <i>Fine Arts</i>	<i>Prairie Village, Kansas</i>
Daniel Mark Epstein <i>English</i>	<i>Philadelphia, Pennsylvania</i>
Kenneth William Franklin <i>Biology</i>	<i>Westbury, New York</i>
Kenneth Elijah Glover <i>Independent Scholar</i>	<i>Washington, District of Columbia</i>
Mark Gilbert Goldshein <i>Independent Scholar</i>	<i>New York, New York</i>
Frank Stephen Gordon <i>American Studies</i>	<i>Bethesda, Maryland</i>
Michael Gordon <i>Psychology</i>	<i>Beachwood, Ohio</i>
William James Graves <i>English</i>	<i>Peacham, Vermont</i>
Peter Bradford Guild <i>Political Science</i>	<i>Augusta, Maine</i>
George William Hart, III <i>English</i>	<i>Pueblo, Colorado</i>
Robert Warren Howarth <i>Biology</i>	<i>Durham, New Hampshire</i>
H. Russell Ives <i>Economics</i>	<i>Birmingham, Michigan</i>
Michael Andrew Kahn <i>English</i>	<i>La Due, Missouri</i>
Thomas Avrom Kirschbaum <i>Philosophy</i>	<i>Belvedere, California</i>
Harvey Merrill Kramer <i>Chemistry</i>	<i>Margate, New Jersey</i>

AMHERST COLLEGE

Kenneth Joseph Krushel <i>Religion</i> <i>(rite in English)</i>	<i>Roslyn Heights, New York</i>
Jonathan Isaac Landman <i>History</i>	<i>New York, New York</i>
Paul Reggie LaPointe <i>Geology</i> <i>(rite in Spanish)</i>	<i>Milwaukee, Wisconsin</i>
Robert Frederick Lorch, Jr. <i>Psychology</i>	<i>West Hartford, Connecticut</i>
Stephen Russell Lowe <i>History</i>	<i>Columbus, Georgia</i>
John Robert Metz, Jr. <i>Economics</i>	<i>Syracuse, New York</i>
Howard Alan Nadworny <i>Chemistry</i>	<i>Burlington, Vermont</i>
David Charles O'Kell <i>Political Science</i>	<i>Toronto, Canada</i>
Marshall Bartlett Purdy <i>Dramatic Arts</i>	<i>Philadelphia, Pennsylvania</i>
Thomas Edward Quinn <i>Psychology</i>	<i>West Hartford, Connecticut</i>
Douglas Gordon Richards <i>Biology</i>	<i>Chatham, New Jersey</i>
Michael Andrew Rogawski <i>Biophysics</i>	<i>Los Angeles, California</i>
Barrett Jon Rollins <i>Biology</i>	<i>Shaker Heights, Ohio</i>
Thomas Dewey Roose <i>English</i>	<i>Terrace Park, Ohio</i>
Harvey Jay Rosenfield <i>Psychology</i>	<i>Randolph, Massachusetts</i>
Thomas Stuart Rumpier <i>English</i>	<i>Cincinnati, Ohio</i>
Adonis Constantinos Samaras <i>Economics</i>	<i>Athens, Greece</i>
Robert Andrew Sands <i>Anthropology</i>	<i>Albany, New York</i>
David Satran <i>Interdisciplinary:</i> <i>Classics and Religion</i>	<i>Hicksville, New York</i>
Stephen Rayburn Scroggins <i>American Studies</i>	<i>Whitefish Bay, Wisconsin</i>

DEGREES CONFERRED

Robert Dwight Semlear <i>Russian</i>	<i>Sag Harbor, New York</i>
Edward Lyman Smith, Jr. <i>English</i>	<i>Amherst, Ohio</i>
Peter Whitall Smith <i>Independent Scholar</i> <i>With Field Study</i>	<i>Meadowbrook, Pennsylvania</i>
Michael Bruce Starkman <i>Fine Arts</i>	<i>East Meadow, New York</i>
Robert Stein <i>Biology</i>	<i>Highland Park, Illinois</i>
Robert Louis Steinbrook <i>History</i> <i>(rite in Biology)</i>	<i>Wynnewood, Pennsylvania</i>
Neil Sullivan <i>American Studies</i>	<i>Bloomfield Hills, Michigan</i>
Pierre Nelson Tariot <i>English</i>	<i>Weston, Massachusetts</i>
William Stewart Waddell, Jr. <i>English</i>	<i>Pittsburgh, Pennsylvania</i>
James Cassel Warren <i>English</i>	<i>New York, New York</i>
William Wadsworth Watts, III <i>English</i>	<i>Glencoe, Illinois</i>
Peter Colbourne Webber <i>American Studies</i>	<i>Great Barrington, Massachusetts</i>
Dalton Smith Winslow <i>Music</i>	<i>Caribou, Maine</i>
Lawrence Sagin Wissow <i>French</i>	<i>North Plainfield, New Jersey</i>
Stephen Douglas Wrage <i>European Studies</i>	<i>Erie, Pennsylvania</i>

CUM LAUDE

Richard Joseph Abbondanza <i>American Studies</i>	<i>Haverhill, Massachusetts</i>
Peter Ernest Bancroft <i>American Studies</i>	<i>Kennebunkport, Maine</i>
Patrick Sean Barry <i>Dramatic Arts</i>	<i>Dover, Massachusetts</i>
Will Alston Beinhorn <i>English</i>	<i>San Antonio, Texas</i>

AMHERST COLLEGE

Mitchell Berns <i>Philosophy</i>	Ossining, New York
Eric Richard Biggs <i>Independent Scholar</i> <i>With Field Study</i>	Eugene, Oregon
Robert Hilton Bleiler, Jr. <i>American Studies</i> <i>With Field Study</i>	Manchester, Connecticut
Robert Lee Breckberg <i>Political Science</i> <i>(rite in History)</i>	Kodiak, Alaska
Henderson Joseph Brown, IV <i>Political Science</i> <i>(rite in English)</i>	Washington, District of Columbia
Thomas Bruno, II <i>Economics</i>	Philadelphia, Pennsylvania
Oliver William Robert Champagne, Jr. <i>American Studies</i>	Paris, France
Robert Deaver Collins, Jr. <i>English</i>	Nashville, Tennessee
William Owen Cooke, Jr. <i>History</i>	Greensboro, North Carolina
John Niessink Cooper, II <i>American Studies</i>	Kalamazoo, Michigan
David Paul Corey <i>Physics</i>	Wellesley Hills, Massachusetts
Paul Vance Cornell <i>French</i> <i>(rite in Economics)</i>	Headborough, Ireland
Reese Francis Couch <i>Political Science</i>	Philadelphia, Pennsylvania
David William Dangremond <i>Fine Arts</i>	Seneca Falls, New York
George Bertram Dash <i>Independent Scholar</i>	Wyncote, Pennsylvania
Richard Paul DeBragga <i>History</i>	Islip, New York
William David Doolittle <i>Dramatic Arts</i> <i>(rite in Psychology)</i>	Leawood, Kansas
David Latham Douglass <i>Political Science</i>	Marblehead, Massachusetts
Mark Woods Dowling <i>English</i>	Wilton, Connecticut

DEGREES CONFERRED

Gabriel Oliver Dumont, Jr. <i>Economics</i>	<i>Newtown Square, Pennsylvania</i>
Glen Neil Eichen <i>English</i>	<i>Hollis, New York</i>
Stephen Edmund Ettinghausen <i>Biology</i>	<i>Princeton, New Jersey</i>
William Nelson Ferm <i>Sociology</i>	<i>South Hadley, Massachusetts</i>
Frederic Perry Fitts <i>Political Science</i>	<i>Potomac, Maryland</i>
Andrew Osmun Fort <i>English</i> <i>(rite in Religion)</i>	<i>Plainfield, New Jersey</i>
Peter Crosby Freeman <i>Interdisciplinary:</i> <i>Economics and Political Science</i>	<i>Lake Forest, Illinois</i>
Anthony deWitt Frost <i>Dramatic Arts</i>	<i>Fairfield, Connecticut</i>
Jeffrey Howard Goodman <i>Political Science</i>	<i>Portland, Maine</i>
David Philip Wayne Gowdy <i>Neuroscience</i>	<i>Scotch Plains, New Jersey</i>
William Ellery Greene, III <i>Political Science</i>	<i>Bronxville, New York</i>
Nicholas Bennett Harris <i>Geology</i>	<i>New York, New York</i>
David Stimson Harvey <i>Economics</i>	<i>McLean, Virginia</i>
William Lawrence Healy, III <i>Biology</i>	<i>Needham, Massachusetts</i>
Thomas Richard Hickey, Jr. <i>American Studies</i>	<i>Westport, Connecticut</i>
Terry Wayne Horsman <i>Political Science</i>	<i>Santa Barbara, California</i>
Donald James Howard <i>Independent Scholar</i>	<i>Manhasset, New York</i>
Stevenson Scott Kaminer <i>French</i>	<i>New York, New York</i>
David Robinson Kimberly <i>Religion</i> <i>(rite in English)</i>	<i>New Haven, Connecticut</i>
Brett Turnley Kirkpatrick <i>Psychology</i> <i>With Field Study</i>	<i>Nashville, Tennessee</i>

AMHERST COLLEGE

M. David Lacher <i>Political Science</i>	<i>Syracuse, New York</i>
Dana Linder Larson <i>Political Science</i>	<i>St. Louis Park, Minnesota</i>
William Clarence Liedtke, III <i>Political Science</i> <i>With Field Study</i>	<i>Houston, Texas</i>
Richard Mark Lipton <i>History</i>	<i>Youngstown, Ohio</i>
Peter Livingston <i>History</i> <i>(rite in Music)</i>	<i>Seattle, Washington</i>
Mark Scott London <i>American Studies</i>	<i>New York, New York</i>
David Fullerton Long <i>Biology</i>	<i>Swarthmore, Pennsylvania</i>
Jonathan Raymond Wayne Longley <i>Economics</i>	<i>Springfield, Massachusetts</i>
Douglas Lee MacArthur <i>Economics</i>	<i>Methuen, Massachusetts</i>
Mark Mangini <i>Music</i>	<i>Darien, Connecticut</i>
Mark Eric Manstein <i>History</i>	<i>Rydal, Pennsylvania</i>
Brian Emerson McDermott <i>Political Science</i>	<i>Manhasset, New York</i>
Michael McGuire <i>English</i>	<i>Northfield, Minnesota</i>
Terry Lonzo Medley <i>Black Studies</i>	<i>Nokesville, Virginia</i>
Edward Barry Michelson <i>Economics</i>	<i>West Roxbury, Massachusetts</i>
Louis Russell Miles <i>Anthropology</i>	<i>Helena, Montana</i>
Jeffrey Marc Mondschein <i>Political Science</i>	<i>Monsey, New York</i>
John Cullen Murphy, Jr. <i>European Studies</i>	<i>Cos Cob, Connecticut</i>
Joel Scott Nizin <i>Biology</i>	<i>New York, New York</i>
Duncan Lowell Noyes <i>Economics</i>	<i>Amesbury, Massachusetts</i>
Randy Phillip Orlik <i>Economics</i>	<i>Oakland, California</i>

DEGREES CONFERRED

Thomas Lyon Owens	<i>Wayzata, Minnesota</i>
<i>Political Science</i>	
Phillip Noyes Parker	<i>New Canaan, Connecticut</i>
<i>History</i>	
John Earl Perkins, III	<i>Baton Rouge, Louisiana</i>
<i>Economics</i>	
Michael Paul Rafferty	<i>East Longmeadow, Massachusetts</i>
<i>Russian</i>	
John Arnold Vincent Rasmussen	<i>Ansonia, Connecticut</i>
<i>English</i>	
Robert Paul Reichstein	<i>Chicago, Illinois</i>
<i>Independent Scholar</i>	
Thomas Drummond Ritter	<i>Hartford, Connecticut</i>
<i>Political Science</i>	
Andrew Keogh Ruotolo, Jr.	<i>New York, New York</i>
<i>American Studies</i>	
Ronald Stephen Sampson	<i>Elizabeth, New Jersey</i>
<i>Political Science</i>	
Freddie Lee Scott	<i>Pine Bluff, Arkansas</i>
<i>Black Studies</i>	
Stephen Lamont Senft	<i>Providence, Rhode Island</i>
<i>Biology</i>	
William Justin Severni	<i>Avon, Connecticut</i>
<i>American Studies</i>	
Joshua Hamblen Shaw	<i>Tacoma, Washington</i>
<i>Biology</i>	
Edward Stanley Shipper, Jr.	<i>Florence, Alabama</i>
<i>English</i>	
Charles Richardson Skeele	<i>New Canaan, Connecticut</i>
<i>French</i>	
David H. Smilow	<i>South Orange, New Jersey</i>
<i>English</i>	
Ladd Spiegel	<i>Silver Spring, Maryland</i>
<i>Fine Arts</i>	
Eric D. Spivack	<i>New York, New York</i>
<i>History</i>	
Richard Dean Tanner	<i>Palo Alto, California</i>
<i>Biology</i>	
James Laureston Telfer	<i>Grosse Pointe Farms, Michigan</i>
<i>Political Science</i>	
Lucius Harrison Thayer, III	<i>Chestnut Hill, Massachusetts</i>
<i>English</i>	
Richard Doremus Tietjen, Jr.	<i>Old Saybrook, Connecticut</i>
<i>English</i>	

AMHERST COLLEGE

Charles Home Trautmann <i>Interdisciplinary: Geology and Physics</i>	Islesboro, Maine
Mark Andrew Troll <i>Biophysics</i>	Brooklyn, New York
Raphael Tshisambu Tshibangu <i>Biology</i>	Panda, Zaire
James Earl Turner <i>Political Science</i>	Calumet City, Illinois
Jeptha Alan Wade, III <i>Interdisciplinary: Philosophy and English With Field Study</i>	Saratoga, California
Peter Gallett Webb <i>English</i>	Remsenburg, New York
Richard Mark Whalen <i>Political Science</i>	North Branford, Connecticut
Roy Christopher Williams <i>Political Science</i>	Stockbridge, Massachusetts
Dennis Marc Wisniewski <i>Sociology</i>	Holyoke, Massachusetts
Ronald Jefferson Wynn <i>Political Science</i>	Knoxville, Tennessee
Paul Alexander Zink <i>Latin (rite in English) With Field Study</i>	Yarmouth Port, Massachusetts

RITE

Richard Allen Ammons	Springfield Gardens, New York
Nathan Joshua Aranow	Newton, Massachusetts
Richard Bardolph, Jr.	Greensboro, North Carolina
Ralph Edward Bennett	Greenwich, Connecticut
John Brice Bennison	Eastham, Massachusetts
Stephen Jordan Griffith Boehm	Washington, District of Columbia
John Richard Bonica	North Bergen, New Jersey
Gerald Graham Brown, III	Potomac, Maryland
Gerald Chandler Bryant	Winchester, Massachusetts
John Andrew Buchanan	Moorestown, New Jersey
Peter Kenneth Buchert	Columbia, Missouri
John William Buscaglia	Buffalo, New York
Stephan Charles Chenault	Hempstead, New York
Shin Chiba	Furukawa-Shi, Miyagi-ken, Japan
Charles Edward Clement	Severna Park, Maryland

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Norman Francis Coates, Jr.
 Michael John Robert Considine
 Fred Eugene Crossland, Jr.
 Dennis Lackey James Curry

With Field Study

Charles Talcott Davis, II
 Howard Zeleg Davis
 Robert Maitland Dean
 Julian Borys Decyk
 David Harvey Dube
 William Holmes Dunlap
 Stuart John Dunning, III
 Robert Douglas Eddy
 Gerald Paul Elovitz
 Lee Baylor Ewing

With Field Study

Robert Young Feldman
 Danford Wilson Foliat
 Henry Lloyd Francis, Jr.
 Scott Little Frew
 Craig Marland Furbush
 Mark Glista
 Andrew Kenley Gordon
 Eric Rodney Gordon
 John Davidson Gordon
 Richard Bruce Goulston
 Quoc-Cuong Ha
 Christopher Gallup Hankin
 Christopher Evan Holt
 Robert Garner Hottensen, Jr.
 Gordon Lester Hunt
 Daniel Cameron Johnson
 Thomas Cole Johnston
 Ira Barry Karasick
 Thomas Kevin John Kennedy
 Richard Duncan Kerst
 Kenneth Martin Laff
 Robert Walter Landau
 Thomas Raeside Leach, Jr.
 Rodney Butts Lee
 Martin William Levy
 Donald Anthony Listro
 David Campbell Maclachlan
 James Campbell Maitland

Worcester, Massachusetts
Torrington, Connecticut
Montvale, New Jersey
New Rochelle, New York

Bloomfield, Connecticut
Broomall, Pennsylvania
North Scituate, Rhode Island
Providence, Rhode Island
DeWitt, New York
Hopkinton, New Hampshire
Lansing, Michigan
Pinehurst, Massachusetts
York, Pennsylvania
Cuba, Illinois

Hayward, California
Oklahoma City, Oklahoma
Woodbridge, Connecticut
Woodbury, Connecticut
South Portland, Maine
Centerville, Massachusetts
San Francisco, California
Winston-Salem, North Carolina
Wilmington, Delaware
Brookline, Massachusetts
Saigon, Vietnam
Potomac, Maryland
Baldwinsville, New York
Milwaukee, Wisconsin
East Sandwich, Massachusetts
Rumford, Maine
Flossmoor, Illinois
Roslyn Heights, New York
Lake Villa, Illinois
Katonah, New York
Englewood, Colorado
Washington, District of Columbia
St. Albans, New York
Birmingham, Alabama
Teaneck, New Jersey
Manchester, Connecticut
Erie, Pennsylvania
Northfield, Minnesota

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 William Eugene Malone
 William Coulson McMahon, Jr.
 Dwight Derek Meader
 John Barss Messenger
 Stuart Louis Meyers
 Michael Joseph Moran
 Jonathan Frederick Moyer
 Jeffrey Allen Nunn
 Thomas Robert O'Neill
 Edmundo Jose Orozco

Independent Scholar

Jeffrey Lynn Osborn
 Steven Mark Ostner
 Franklin Owens, Jr.
 Michael Jerome Pierce
 Steven Jon Poliakoff
 William John Powell, III
 Christopher George Rafferty
 David William Rayment
 Theodore Carl Reichard, Jr.
 Joseph William Rock
 Robert Lee Rubendall, Jr.
 Albert Ryans
 Robert Joseph Salem
 Robert Patton Sather
 Donald John Schissel, Jr.
 Joseph Jerome Selinger, Jr.
 Albert Park Shaw, III
 Arthur George Shay
 Gérard John Sheehan
 Robert Alan Skovgaard
 Arthur Jee-Chung Soong

With Field Study

Thomas William Soyster
 William Thomson Taylor
 Arthur Ernest Thibodeau
 Christopher Carl Torch
 Andrew Philip Tuck
 Michael James Tuunanen
 James David Velleman
 Rafael Luis Villafane
 John Ludwig Wahlers
 Kenneth Lamont Washington

Alexandria, Virginia
 Forest Park, Illinois
 Plandome, New York
 Tarrytown, New York
 Larchmont, New York
 Pittsburgh, Pennsylvania
 Wallingford, Pennsylvania
 Mechanicsburg, Pennsylvania
 Weston, Connecticut
 Rochester, New York
 Carlsbad, New Mexico

Sturgis, Michigan
 Valley Stream, New York
 Amherst, Massachusetts
 Columbus, Georgia
 Merchantville, New Jersey
 Industry, Pennsylvania
 Kensington, Maryland
 Hyannis, Massachusetts
 Noank, Connecticut
 Shaker Heights, Ohio
 Halifax, Pennsylvania
 Dorchester, Massachusetts
 North Brookfield, Massachusetts
 Teaneck, New Jersey
 Des Moines, Iowa
 Wilton, Connecticut
 Hartford, Connecticut
 Amherst, Massachusetts
 Cambridge, Massachusetts
 Stamford, Connecticut
 New York, New York

Tenaflly, New Jersey
 Wyncote, Pennsylvania
 Beverly, Massachusetts
 Mayfield Heights, Ohio
 New Rochelle, New York
 Fitchburg, Massachusetts
 Port Washington, New York
 Mexico City, Mexico
 Sandusky, Ohio
 New York, New York

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William Frederick Weaver
Douglas Ely Weber
James Fraser Whitehead
Robert Kelman Wieder
Christopher Winslow
Paul Joseph Michael Winterling

Shelton, Connecticut
Wheaton, Illinois
Syracuse, New York
Wethersfield, Connecticut
Tiburon, California
Baltimore, Maryland

Honorary Degrees Conferred

SEPTEMBER 6, 1973

MASTER OF ARTS

Duane W. Bailey

Peter Czap, Jr.

Peter Marshall

Rose Richardson Olver

JUNE 7, 1974

DOCTOR OF HUMANE LETTERS

Robert Henry Guest 1939

Joseph Eugene Stiglitz 1964

DOCTOR OF LETTERS

Ben Frank Stoltzfus 1949

DOCTOR OF LAWS

Lucy Peters Wilson Benson

John Wesley Chandler

Silvio O. Conte

Archibald Cox

John Henry Neale 1924

Talcott Williams Seelye 1944

MEDAL FOR EMINENT SERVICE

Stephen Bergel Oresman 1954

V

ENROLLMENT



Enrollment

FALL SEMESTER 1974-1975

Seniors Class of 1975

- | | |
|--|---|
| Abrahamson, Kip Loring
<i>Minneapolis, Minnesota</i> | Boatner, Samuel
<i>Chicago, Illinois</i> |
| Abramson, Stephen Nathaniel, Jr.
<i>St. Albans, New York</i> | Bonsall, David Alan
<i>Houston, Texas</i> |
| Aldridge, David Franklin
<i>Clinton, New York</i> | Boom, Willem Henry
<i>Hengelo, Netherlands</i> |
| Alexander, David Nelsen
<i>Hibbing, Minnesota</i> | Brigham, Robert Hoover
<i>West Chester, Pennsylvania</i> |
| Anderson, David Allen
<i>Washington, D.C.</i> | Bristol, Frederick Adams, III
<i>Orchard Park, New York</i> |
| Ayres, Thomas Jordan
<i>Brant Beach, New Jersey</i> | Broadhead, William Almet, II
<i>Jamestown, New York</i> |
| Bailey, Ronald Edward
<i>Hampton, Virginia</i> | Brooks, Laurence Oakley
<i>Bedford Hills, New York</i> |
| Balder, Andrew H.
<i>Miami Beach, Florida</i> | Brown, Steven Kevin
<i>New Rochelle, New York</i> |
| Balzotti, James Don
<i>East Boston, Massachusetts</i> | Burns, Joseph Kevin Paul
<i>Milford, Connecticut</i> |
| Barnett, James Richardson
<i>Dobbs Ferry, New York</i> | Buttolph, John Earl
<i>Merrick, New York</i> |
| Barton, James Clifton, Jr.
<i>Birmingham, Alabama</i> | Caldwell, David Manchester, III
<i>Manchester, Connecticut</i> |
| Bates, Jonathan Hartley
<i>New Canaan, Connecticut</i> | Carr, Robert Vose
<i>Manchester, Massachusetts</i> |
| Beatty, Roger Banks
<i>Darien, Connecticut</i> | Carver, Robert Howard
<i>Marblehead, Massachusetts</i> |
| Benedict, Charles Chauncey, II
<i>Williamstown, Massachusetts</i> | Cavagnero, Paul E.
<i>Torrington, Connecticut</i> |
| Benko, Ralph J.
<i>Albany, New York</i> | Chmiel, Michael Alan
<i>Minneapolis, Minnesota</i> |
| Berk, Bradford Charles
<i>Rochester, New York</i> | Chu, James Sze-wah
<i>Minato-ku, Tokyo, Japan</i> |
| Berman, Charles Henry
<i>Hamden, Connecticut</i> | Chu, Raymond Wai-ming
<i>Brooklyn, New York</i> |
| Berman, Robert Glenn
<i>Great Neck, New York</i> | Clary, Richard Wayland
<i>St. Paul, Minnesota</i> |
| Berry, George Thomas, Jr.
<i>Rye, New Hampshire</i> | Clopeck, Jeffrey Arnold
<i>Framingham, Massachusetts</i> |

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Mansfield, Ohio
- Coe, Jonathan Skinner
Providence, Rhode Island
- Collins, Tucker Otis
Ann Arbor, Michigan
- Conger, Robert Frederick
Summit, New Jersey
- Conley, Christopher Redifer
Manchester, Massachusetts
- Conway, Stephen Robert
West Hartford, Connecticut
- Cottrel, Christopher Rockwell
West Chester, Pennsylvania
- Cox, William Ruffin, III
New Hartford, New York
- Coy, Roger Elliot
Mt. Vernon, New York
- Crary, Horace Ingraham, Jr.
New Canaan, Connecticut
- Crary, Miner Allen
Northport, New York
- Crease, Robert Poole, Jr.
Chagrin Falls, Ohio
- Davis, Jonathan Tyler
Stamford, Connecticut
- DeBevoise, Malcolm Bush
Montclair, New Jersey
- Dee, John Clark
St. Louis, Missouri
- Dein, Mohammed Olie
Northampton, Massachusetts
- de la Rama, Jesse, III
Bronx, New York
- Dow, Gregory Keith
Seekonk, Massachusetts
- Doyle, John Justin, Jr.
Amherst, Massachusetts
- Driscoll, Peter Lawrence
Albuquerque, New Mexico
- Duff, Charles Blake, Jr.
Baltimore, Maryland
- Dumaine, Brian Henry
Hampton, New Hampshire
- Dunbar, David Stuart
Exeter, New Hampshire
- Dunn, Herman Lee
Washington, D.C.
- Durgin, Reginald Lee
Yarmouth, Maine
- Eastburn, Stephen Frazier
Doylestown, Pennsylvania
- Echelbarger, Lindsey Leo Robinson
Edmonds, Washington
- Edlund, Matthew Jonathan
Great Neck, New York
- Edmonston, John McCombie
Pasadena, California
- Ellis, Frank Plunkett, IV
Mobile, Alabama
- Elson, Mark Andrew
Brookfield, Wisconsin
- Fenson, Eitan Moshe
Brooklyn, New York
- Ferguson, David William
Orchard Park, New York
- Ferrarone, Stephen Francis
Springfield, Massachusetts
- Filler, Jorge Simon
New York, New York
- Fishman, Henry James
Cheshire, Connecticut
- Fitzgerald, Michael Thomas
Needham, Massachusetts
- Foldes, Peter John
Lafayette Hill, Pennsylvania
- Fotiades, George Louis
Naperville, Illinois
- Fox, Peter Anderson
Darien, Connecticut
- French, John David
Rochester, New York
- Garcia, Gilberto Leal
Corpus Christi, Texas
- Gargano, Peter Joseph
Wakefield, Massachusetts
- Garrett, Mitchel Owen
Roslyn, New York

SENIORS

Gartner, Richard Charles Sebastian
Lancaster, Pennsylvania

Gassaway, Laurence, Jr.
Brooklyn, New York

Gendelman, Phillip Michael
Amherst, Massachusetts

Gerfen, Charles Richard
St. Louis, Missouri

Gewehr, Bradley Charles
Windsor, Connecticut

Gilbert, David Arthur
Bel Air, Maryland

Gintoff, Gregory Brown
Fairfield, Connecticut

Glick, Kenneth Warren
West Orange, New Jersey

Golden, Jeffrey Stephen
Fayetteville, New York

Gordon, Michael Alan
Lexington, Massachusetts

Granahan, Richard Braye
Waterford, Connecticut

Greggs, Gilbert Allen, Jr.
Dundalk, Maryland

Griffin, Stephen Robert
Waterbury, Connecticut

Griggs, Benjamin Glyde, III
St. Paul, Minnesota

Hahn, Stephen Walter
Georgetown, Massachusetts

Hall, Mark Lloyd
Potomac, Maryland

Hammer, Jonathan Edward
New York, New York

Hanley, Christopher Sanger
Upper Montclair, New Jersey

Harmon, Mark Edward Patrick
Cochituate, Massachusetts

Harriman, John Howland, Jr.
Los Angeles, California

Harrington, Michael Louis
Belchertown, Massachusetts

Hart, Avery Scott
Wilmette, Illinois

Hartman, Keith Warren
Penfield, New York

Haskell, Grant Pickens
Westport, Connecticut

Hawkins, John Bruce
Charlottesville, Virginia

Heath, Robert Galbraith, Jr.
New Orleans, Louisiana

Hecht, Philip Herbert
Detroit, Michigan

Heim, David Jacob, III
Burlington, Vermont

Hendrix, Derrell Jerome
Columbus, Ohio

Hermann, Richard James
East Norwich, Connecticut

Heske, Edward Joseph Peter
Sturbridge, Massachusetts

Hixon, David Dillon
Andover, Massachusetts

Holmes, Charles Stanford
Little Compton, Rhode Island

Holt, Fred Lee
Springfield, Massachusetts

Hooper, Thomas Harrison, III
Winston-Salem, North Carolina

Horan, Brien Joseph Purcell
West Hartford, Connecticut

Horstkotte, Don Arner
Schenectady, New York

Hudak, Mark Lawrence Peter
West Hartford, Connecticut

Huey, David Robert
Geneseo, New York

Hunter, Peter Clark
Gibsonia, Pennsylvania

Hunter, Thomas Alexander, IV
Westport, Connecticut

Inglis, Alan
Shaker Heights, Ohio

Isabell, Lonnie
Lackawanna, New York

Jackson, Prescott Burns
Danvers, Massachusetts

AMHERST COLLEGE

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|---|--|
| Jaskulski, Derek Cichon
<i>Pelham, New York</i> | Leslie, Richard Raymond
<i>Ashburnham, Massachusetts</i> |
| Jeanloz, Raymond Francois
<i>Newton, Massachusetts</i> | Levine, Matthew Ivan
<i>Mt. Kisco, New York</i> |
| Jelavich, Peter Charles
<i>Bloomington, Indiana</i> | Lewis, Gregory Scott
<i>New Canaan, Connecticut</i> |
| Johnson, Paul Converse
<i>Wilbraham, Massachusetts</i> | Lindberg, Brent Robert
<i>Orchard Park, New York</i> |
| Jonas, Jeffrey Martin
<i>Valley Stream, New York</i> | Linden, Christopher Harold
<i>Danvers, Massachusetts</i> |
| Jordan, Mark Conrad
<i>Hilton Head Island, S. Carolina</i> | Lister, Craig Joseph
<i>Lake Forest, Illinois</i> |
| Kayler, Kyle Lee
<i>Denver, Colorado</i> | Lopez, Floyd William
<i>Albuquerque, New Mexico</i> |
| Kelly, Joseph Monahan, II
<i>West Deerfield, Massachusetts</i> | Lopez, Raul Antonio
<i>Kensington, Connecticut</i> |
| Kennedy, James Matson
<i>Watertown, New York</i> | Lund, Mark Kennedy
<i>Sao Paulo, Brazil</i> |
| Kirkwood, Robert Charles
<i>Thornwood, New York</i> | Lurie, Robert Stix
<i>Cincinnati, Ohio</i> |
| Klancnik, Thomas Evans
<i>Park Ridge, Illinois</i> | Lynch, Desmond Sherman Shaw
<i>West Hempstead, New York</i> |
| Kleiner, Stuart Justin
<i>Cleveland Heights, Ohio</i> | MacDonell, Alan Russell
<i>Pittsburgh, Pennsylvania</i> |
| Konolige, Kurt George Dominic
<i>Flushing, New York</i> | MacIntyre, Richard Joseph
<i>Greenville, Delaware</i> |
| Kopper, John Matthias, Jr.
<i>Baltimore, Maryland</i> | Macioce, John Peter
<i>Stamford, Connecticut</i> |
| Kos, Richard Joseph Francis
<i>Chicopee Falls, Massachusetts</i> | MacLeod, Michael Brian
<i>Amherst, Massachusetts</i> |
| Kraft, Thomas Kevin
<i>Bethlehem, Pennsylvania</i> | Madden, John Francis
<i>New Britain, Connecticut</i> |
| Kretchmer, John Ted
<i>Winnetka, Illinois</i> | Magnell, Thomas Alfred
<i>Scarsdale, New York</i> |
| Laurion, Joseph Arlly
<i>Billerica, Massachusetts</i> | Magoon, William John
<i>Rochester, Michigan</i> |
| Lawrence, Andrew Charles
<i>Chevy Chase, Maryland</i> | Maloff, Peter C.
<i>Queens Village, New York</i> |
| Leggett, James Everett, Jr.
<i>Lexington, Kentucky</i> | Manker, Charles Forrest
<i>Chicago, Illinois</i> |
| Lerner, Gary Nevil
<i>Rego Park, New York</i> | Mansuy, Francis Patrick, II
<i>Villanova, Pennsylvania</i> |
| Leslie, Kenneth Donald
<i>Peekskill, New York</i> | Manuelides, Stephen Eugene
<i>Athens, Greece</i> |

SENIORS

- Marcus, Lee Evan
Miami, Florida
- Martin, Hunter Lenon, III
Houston, Texas
- Martin, Wallace Ford
Lawrenceville, Georgia
- Mayer, Lester Reinhard, III
Philadelphia, Pennsylvania
- McArthur, Mark Anthony
Chicago, Illinois
- McCartney, Robert James
Westmoreland Hills, Maryland
- McCatty, Edward Sommerville
Brooklyn, New York
- McDowell, William Hunter, II
Paoli, Pennsylvania
- McNeish, David Dixon, Jr.
Wellesley Hills, Massachusetts
- McNeish, Douglas Stevenson
Wellesley Hills, Massachusetts
- Merritt, Haines Rennyson, III
East Aurora, New York
- Miller, Joseph Michael
Brooklyn, New York
- Miller, Lawrence Jay
Valley Stream, New York
- Millikin, Michael David
Peoria, Illinois
- Minicucci, Robert Arnold
Waterbury, Connecticut
- Monheim, Charles William
Pittsburgh, Pennsylvania
- Moody, David Nelson
Edina, Minnesota
- Morrissey, Christopher Charles
Maynard, Massachusetts
- Mulligan, Edward Bowman, IV
State College, Pennsylvania
- Murphy, Daniel Vincent
University Heights, Ohio
- Nagy, David Sandor
APO, New York
- Nazar, Michael David
Scotia, New York
- Neel, Edgar Loewe
Stone Mountain, Georgia
- Newman, Lee Scott
Westfield, New Jersey
- Newton, James White
Sudbury, Massachusetts
- Nicholson, Craig Claverie
Clayton, Missouri
- Norrick, Bradley R.
Indianapolis, Indiana
- O'Donnell, John Eliot
Norwood, Massachusetts
- Ojserkis, Bennett Edward
Margate, New Jersey
- Orlik, Daniel Andrew
Ludlow, Massachusetts
- Osman, Richard Michael
Scarsdale, New York
- Owens, Edward Octy
Ann Arbor, Michigan
- Oxholm, Carl, III
Saint Davids, Pennsylvania
- Papandreou, George Andreas
King City, Ontario, Canada
- Parent, Neil Patrick
Shrewsbury, Massachusetts
- Patsner, Bruce
West Nyack, New York
- Petegorsky, Stephen
Scarsdale, New York
- Polevoi, Lee Nathan
South Euclid, Ohio
- Porter, Frederick Stanton
Chagrin Falls, Ohio
- Poukish, Gary Philip
Saratoga Springs, New York
- Powers, Robert David
Westport, Connecticut
- Progen, Donald Henry
Amherst, Massachusetts
- Pullara, Joseph
Staten Island, New York
- Pultz, John Francisco
Memphis, Tennessee

AMHERST COLLEGE

- | | |
|--|---|
| Randall, Donn Alexander
<i>Edgartown, Massachusetts</i> | Ryan, Richard Robert
<i>Derby, Connecticut</i> |
| Rauch, Steven Douglas
<i>Amherst, Massachusetts</i> | Sachar, Jerome David
<i>Clayton, Missouri</i> |
| Rawson, William Knox
<i>South Bend, Indiana</i> | Sambor, Michael James
<i>Wilbraham, Massachusetts</i> |
| Ray, James Erwin
<i>Framingham, Massachusetts</i> | Santos, Thomas John, Jr.
<i>Melrose, Massachusetts</i> |
| Reeves, James Frederick
<i>Guilderland, New York</i> | Scheff, Jonathan Herbert
<i>Newton Centre, Massachusetts</i> |
| Regier, Jon Denniston
<i>Jamesville, New York</i> | Schillo, John Morey
<i>Towson, Maryland</i> |
| Reid, Michael William
<i>Madison, New Jersey</i> | Schwab, Paul Edward, III
<i>La Jolla, California</i> |
| Reif, Henry Jay
<i>Northampton, Massachusetts</i> | Scott, Hector Lloyd
<i>Hartford, Connecticut</i> |
| Reilly, John Richard, Jr.
<i>Bethesda, Maryland</i> | Scott, Richard Paul
<i>Forest Hills, New York</i> |
| Reindel, Frederick William, III
<i>Wayzata, Minnesota</i> | Shaer, Richard Joseph
<i>Amherst, Massachusetts</i> |
| Reinus, William Ralph
<i>New York, New York</i> | Shaw, Casper
<i>New York, New York</i> |
| Remelmeyer, Eric Scott
<i>Redondo Beach, California</i> | Shelley, Arthur Robert, Jr.
<i>Amherst, Massachusetts</i> |
| Reynolds, Stephen Paul
<i>Fairview Park, Ohio</i> | Sheridan, Thomas Patrick
<i>East Hartford, Connecticut</i> |
| Richards, Kenneth James
<i>South Attleboro, Massachusetts</i> | Silberstein, Peter Todd
<i>Mamaroneck, New York</i> |
| Richardson, Victor Waldo
<i>Tulsa, Oklahoma</i> | Silbert, Edward Fox
<i>Marblehead, Massachusetts</i> |
| Riklin, Scott Frederick
<i>Rye, New York</i> | Silsbee, Douglas Wheeler
<i>Ithaca, New York</i> |
| Roca, Juan Xavier
<i>Bruxelles, Belgium</i> | Simmons, Peter Alan
<i>Winchester, Massachusetts</i> |
| Roelofs, Kemp Owyne
<i>Gambier, Ohio</i> | Skowron, Robert Andrew
<i>Pittsfield, Massachusetts</i> |
| Roin, Howard James
<i>Winnetka, Illinois</i> | Slaine, Mason Paul
<i>Malden, Massachusetts</i> |
| Rose, Howard Kagan
<i>East Hartford, Connecticut</i> | Smith, Jeffrey Thornton
<i>Plandome, New York</i> |
| Rouse, Stephen Michael
<i>Trenton, New Jersey</i> | Smith, John Charles W.
<i>Sudbury, Massachusetts</i> |
| Russell, Robert Henry, III
<i>South Hadley, Massachusetts</i> | Smith, Lincoln
<i>Cohasset, Massachusetts</i> |

SENIORS

- Sommer, Philippe Lazare Felix
New York, New York
- Sonnenschein, Eric Jason
Arlington, Virginia
- Soojian, Michael Matthew
Upper Saddle River, New Jersey
- Souza, William David
Cotuit, Massachusetts
- Spaulding, Barry Cole
Maumee, Ohio
- Speck, Paul Gregory
Harrisonburg, Virginia
- Sperling, Frederick Jay
Philadelphia, Pennsylvania
- Spiegel, John
Vienna, Virginia
- Springer, Martin Ferdinand Bligh
Northfield, Illinois
- Stadler, Marc Edward
Urbana, Ohio
- Stahl, Kenneth David
Ossining, New York
- Stewart, Robert Cecil
Tuscaloosa, Alabama
- Stoller, James Kevin
Flushing, New York
- Stoughton, Roland Baker
Rancho Santa Fe, California
- Stover, Gerald Wayne
Springfield, Massachusetts
- Strauss, Edward Bruce
Lawrence, New York
- Strogatz, David Stanton
Hamden, Connecticut
- Sullivan, John Louis, III
Bethesda, Maryland
- Sullivan, William Thrall
Windsor, Connecticut
- Sussman, Michael Howard
Woodmere, New York
- Swett, Albert Louis
Amherst, Massachusetts
- Taglieri, Stephen Nazzaro
Amherst, Massachusetts
- Tahsler, Bruce Donald
Ambler, Pennsylvania
- Teare, John Andrew
Lynnfield, Massachusetts
- Teichgraeber, Michael Gerard
Houston, Texas
- Thaler, Thomas Warren
Chestnut Hill, Massachusetts
- Theile, Richard Michael
Essex Fells, New Jersey
- Thibeault, George Alan
Saratoga, California
- Thompson, Robert Bruce, III
Malvern, Pennsylvania
- Tibbetts, Robert Edwin
Northampton, Massachusetts
- Tobias, Norman Cecil
Westmount, Quebec, Canada
- Tobochnik, Jan
Philadelphia, Pennsylvania
- Tornow, David Staab
Northampton, Massachusetts
- Treat, John Whittier, III
East Hampton, Connecticut
- Tredici, Tomas
San Antonio, Texas
- Trinkaus, Peter Mark
Ann Arbor, Michigan
- Tull, David Allan
Madison, Connecticut
- Vayer, Marshall Scott
Longmeadow, Massachusetts
- von Salis, Andrew Mead
Morristown, New Jersey
- Walker, Richard George
Philadelphia, Pennsylvania
- Warren, Peter Gray
Northampton, Massachusetts
- Washington, Michael Edward
East Cleveland, Ohio
- Wattley, Thomas Jefferson, Jr.
Dallas, Texas
- Waybright, Douglas Grover
Saugus, Massachusetts

AMHERST COLLEGE

- | | |
|---|--|
| Webster, Christopher White
<i>Bethesda, Maryland</i> | Akiyama, Takuo
<i>Toyooka-shi, Hyogo-ken, Japan</i> |
| Weeks, Gary Lawrence
<i>Wilmette, Illinois</i> | Angiolillo, Joel Stephen Frank
<i>Carlisle, Pennsylvania</i> |
| Werner, David William
<i>Pittsburgh, Pennsylvania</i> | Armistead, Spencer Lee
<i>Honolulu, Hawaii</i> |
| Wicks, John Oliver, III
<i>Pittsburgh, Pennsylvania</i> | Arnold, Frederick
<i>White Plains, New York</i> |
| Wiley, David Welles
<i>Seattle, Washington</i> | Aronson, Thomas Alan
<i>St. Louis, Missouri</i> |
| Williams, David Symmes
<i>Rocky River, Ohio</i> | Baines, Kevin Hays
<i>Woodbridge, Connecticut</i> |
| Williams, Ernest Calvin, Jr.
<i>New Haven, Connecticut</i> | Ball, Roger Woodwell
<i>St. Louis, Missouri</i> |
| Williams, John Irving, Jr.
<i>Westbury, New York</i> | Barksdale, Henry Caulfield, Jr.
<i>Providence, Rhode Island</i> |
| Williams, Richard Eugene, Jr.
<i>Tuscaloosa, Alabama</i> | Baronas, Mark William
<i>Enfield, Connecticut</i> |
| Williamson, John Ross
<i>Baldwin, New York</i> | Belisle, James Howard
<i>Lisbon, Connecticut</i> |
| Wise, Peter Yeames
<i>West Hartford, Connecticut</i> | Bergethon, Bruce Lind
<i>Easton, Pennsylvania</i> |
| Wold, Cameron Lee
<i>Urbandale, Iowa</i> | Bergman, Charles Kimball
<i>Laguna Beach, California</i> |
| Wood, Bruce Andrew
<i>Houston, Texas</i> | Bingaman, Brian Malcolm
<i>Verona, New York</i> |
| Woodbrey, Mark Leonard
<i>Gorham, Maine</i> | Black, Lehman Ernest, III
<i>Youngstown, Ohio</i> |
| Woolverton, Frederick Curtis
<i>East Norwich, New York</i> | Blair, Raymond Laurence
<i>Los Angeles, California</i> |
| Wourms, Richard Leo
<i>Houston, Texas</i> | Blenko, David Balman
<i>Haverford, Pennsylvania</i> |
| Yancey, Robert Willingham, Jr.
<i>Monte Brais Fajardo, Puerto Rico</i> | Bogan, Christopher Eric
<i>Short Hills, New Jersey</i> |
| Zheutlin, Peter Alan
<i>Paramus, New Jersey</i> | Boling, Peter Avery
<i>Brookline, Massachusetts</i> |
| Juniors Class of 1976 | Bowers, Nigel Lindsay
<i>Darien, Connecticut</i> |
| Adams, Auther Elmore, Jr.
<i>East St. Louis, Illinois</i> | Bradbury, Scott Arlen
<i>Cape Porpoise, Maine</i> |
| Adams, Michael Harold
<i>Ellington, Connecticut</i> | Brown, James Cutler
<i>South Hamilton, Massachusetts</i> |
| Adams, Michael Macdonell
<i>Jacksonville, Florida</i> | Brown, Mark Stephen
<i>DeWitt, New York</i> |

JUNIORS

- Buchsbaum, Craig Martin
Highland Park, Illinois
- Budnik, Gregory Glenn
Bethpage, New York
- Burress, Michael Kevin
Arlington, Virginia
- Burt, Joseph Duffy
Ft. Lauderdale, Florida
- Bushnell, David Colton
West Hartford, Connecticut
- Butler, Michael Keith
Baton Rouge, Louisiana
- Canfield, Peter Crane
Palos Verdes Peninsula, Calif.
- Chalifoux, Alan Trevvett
Glen Gardner, New Jersey
- Chiu, Denny
Seattle, Washington
- Christ, Bryant William
West Hartford, Connecticut
- Christen, James Dandee
Ardmore, Pennsylvania
- Clark, Charles Howell, Jr.
Washington, D.C.
- Clark, Stephen Lewis
Bloomfield, Connecticut
- Clarke, Christopher Sanborn
Keene, New Hampshire
- Clubb, Merrel Dare, IV
Missoula, Montana
- Cobau, Charles Duffy, Jr.
Toledo, Ohio
- Cobb, Lincoln Cranston
Houston, Texas
- Cocaine, Harry Dennis
Worcester, Massachusetts
- Coffin, Jonathan Potter
Wakefield, Rhode Island
- Cohen, Leslie George
St. Albans, New York
- Cohen, Matthew
Southampton, Pennsylvania
- Cohn, Frederic Reiner
Bloomfield, Connecticut
- Cole, Jonathan Jay
New York, New York
- Coutifaris, Christos Orpheus
Athens, Greece
- Craig, Stephen Joseph
Phoenix, Arizona
- Cramer, Bruce Thomas
Noank, Connecticut
- Crossland, Robert John
Montvale, New Jersey
- Cummings, Floyd, Jr.
Aiken, South Carolina
- Cushman, Robert Allerton
Longmeadow, Massachusetts
- Dacey, Henry Gowan, Jr.
Mt. Pleasant, Pennsylvania
- Davidow, Charles Edward
Cincinnati, Ohio
- Davies, Peter Bowen
Dallas, Pennsylvania
- Davis, Charles Walker
Warren, Pennsylvania
- Davis, Randall Hopkins
Coram, New York
- Deming, Stephen Robert H.
Towson, Maryland
- Devin, William Henry, III
Brockton, Massachusetts
- Dewdney, Brian Murray
Durham, New Hampshire
- Dietrich, Donald Norman
Holyoke, Massachusetts
- Dillon, Adrian Tremayne
Farmington Hills, Michigan
- Diskint, Peter Gary
Flushing, New York
- Dodds, George Matthew
Edwards, New York
- Doyle, David Barton
Weston, Connecticut
- Driscoll, David Gerald
Somerset, Massachusetts
- Dudley, Eliot Wands
Cato, New York

AMHERST COLLEGE

- | | |
|---|---|
| Duffy, Michael Andrew
<i>Hamden, Connecticut</i> | Gamble, James Carr, III
<i>Frontenac, Missouri</i> |
| Dunn, William Michael
<i>Holyoke, Massachusetts</i> | Garmezy, Lawrence
<i>Edina, Minnesota</i> |
| Dwyer, William Edward, Jr.
<i>Hadley, Massachusetts</i> | Gately, Edward Joseph, III
<i>Haverford, Pennsylvania</i> |
| Edmondson, Everton Anthony
<i>Brooklyn, New York</i> | Gibson, Scott Christopher Joseph
<i>Brimfield, Massachusetts</i> |
| Ehrlich, Steven Mark
<i>St. Louis, Missouri</i> | Gibson, Steven Brian
<i>Baltimore, Maryland</i> |
| Ellis, Mark Evan
<i>Barnardston, Massachusetts</i> | Gidwani, Bahar Narain
<i>Columbus, Ohio</i> |
| Ewen, Malcolm Dawes
<i>Winnetka, Illinois</i> | Giorgi, Gaspar Gary
<i>Mountainside, New Jersey</i> |
| Fairley, Peter Rush
<i>Bennington, Vermont</i> | Gipe, Robert Steven
<i>Houck, Arizona</i> |
| Faustino, Alfred Luis
<i>Holyoke, Massachusetts</i> | Glass, Geoffrey Theodore
<i>Falls Church, Virginia</i> |
| Feder, Robert Todd
<i>St. Paul, Minnesota</i> | Gonzales, Thomas Lee
<i>Tucson, Arizona</i> |
| Fiore, Michael Thomas Stephen
<i>Elizabeth, New Jersey</i> | Graham, Michael John
<i>Winnetka, Illinois</i> |
| Fisher, William Weston, III
<i>Seattle, Washington</i> | Graven, Mark Henry
<i>Minneapolis, Minnesota</i> |
| Fitzgerald, Charles Sagar
<i>Shaker Heights, Ohio</i> | Graves, Bradford James
<i>Sunderland, Massachusetts</i> |
| Fleury, William James
<i>Toronto, Ontario, Canada</i> | Green, Robert Castleman, III
<i>Winchester, Virginia</i> |
| Floyd, Edward Campbell
<i>Bristol, Connecticut</i> | Greene, Alan Davis
<i>Winchester, Massachusetts</i> |
| Foster, John Allan
<i>Belmont, Massachusetts</i> | Greene, Mark Nissen
<i>Westfield, New Jersey</i> |
| Fribourg, Paul Jules
<i>New York, New York</i> | Greenman, John Bingham
<i>Okemos, Michigan</i> |
| Friedman, Andrew Joseph
<i>New York, New York</i> | Greenwald, David
<i>New Rochelle, New York</i> |
| Fromson, Paul Michael
<i>Monsey, New York</i> | Griffin, Frank Wilson
<i>Wayland, Massachusetts</i> |
| Fucci, John Conville
<i>West Hartford, Connecticut</i> | Groff, Marc Linden
<i>Glenview, Illinois</i> |
| Fuerstman, Louis Peter
<i>New Milford, New Jersey</i> | Gurka, Michael John Anthony
<i>Springfield, Massachusetts</i> |
| Fulmer, James Jay
<i>Northboro, Massachusetts</i> | Gusack, Mark David
<i>Chevy Chase, Maryland</i> |

JUNIORS

- Halle, Austin Arthur, III
Memphis, Tennessee
- Hamilton, Peter Francis
Newark, New York
- Hansen, David Elwood
Allendale, New Jersey
- Harden, Glenn Richard
Washington, D.C.
- Harper, Gregory William
Paris, France
- Harter, Clayton Everett
Winnetka, Illinois
- Healy, Christopher Read
Branford, Connecticut
- Henschel, Adam Steven
Princeton, New Jersey
- Hines, James Henry, Jr.
Columbia, Missouri
- Hoffman, David Lloyd
Scarsdale, New York
- Holdcroft, James Patrick, Jr.
Pittsburgh, Pennsylvania
- Holmes, Carl Bernard, Jr.
Bronx, New York
- Holmes, David Lawrence
South Hill, Virginia
- Horan, Paul Michael
Worcester, Massachusetts
- Hov, Donald Anton
Weston, Connecticut
- Huggins, John Mitchell
Stanford, California
- Hurwitz, Ralph David
Gloversville, New York
- Hyams, Andrew Leon
Teaneck, New Jersey
- Iacobuzio, Theodore John Joseph
Port Chester, New York
- Jablin, Peter Mark
King of Prussia, Pennsylvania
- Jackson, Antonio Pierre
Chester, Pennsylvania
- Jacobs, James Stephen Vincent
River Forest, Illinois
- Jacobs, Kris Scott Hamilton
Amherst, Massachusetts
- Jenkins, Everett Wilbur, Jr.
Victorville, California
- Jenkins, Jack Wade
Valdosta, Georgia
- Juliand, Charles Race
North Dartmouth, Massachusetts
- Kaplan, Carl Scott
Great Neck, New York
- Kassler, Kenneth Barry
Newton Centre, Massachusetts
- Katz, Henry Joseph
Brooklyn, New York
- Kayatta, William Joseph, Jr.
South Portland, Maine
- Kaye, Jeffrey Alan
Long Branch, New Jersey
- Kee, David Bryan, Jr.
Atlanta, Georgia
- Keevil, Joseph Christopher
Lincoln, Massachusetts
- Kehne, John Herr, Jr.
Hagerstown, Maryland
- Keroack, Mark Alvin
Springfield, Massachusetts
- Kingman, James Brantley
Wayzata, Minnesota
- Kitts, Willard Frederick, Jr.
Albuquerque, New Mexico
- Klein, Kevin Mart
Point Marion, Pennsylvania
- Klein, William Edward
Clayton, Missouri
- Knight, Richard Harvey
Marlborough, New Hampshire
- Knox, Northrup Rand, Jr.
East Aurora, New York
- Koo, Edward Hao-mang
Kowloon, Hong Kong
- Koppel, William Lee
New Rochelle, New York
- Kordalewski, John Andrew
Fayetteville, New York

AMHERST COLLEGE

- | | |
|--|---|
| Kramer, Sanford Neal
<i>Baltimore, Maryland</i> | Macris, Aristides
<i>Athens, Greece</i> |
| Kramer, Steven Edward
<i>Greenfield, Massachusetts</i> | Magdaleno, Thomas
<i>Los Angeles, California</i> |
| Kranzler, Peter Henry
<i>Rocky Hill, New Jersey</i> | Major, Richard Robinson, II
<i>Hanover, New Hampshire</i> |
| Krieger, David Jonathan
<i>West Barnet, Vermont</i> | Manley, John Leo, Jr.
<i>Larchmont, New York</i> |
| Kuehn, Carl Anton
<i>Springfield, Illinois</i> | Mann, Andrew David
<i>Albany, New York</i> |
| Lehner, Carl Peter
<i>Hingham, Massachusetts</i> | Mann, Charles Cameron
<i>Bellevue, Washington</i> |
| Leland, Richard Alanson, Jr.
<i>Los Altos, California</i> | Markowitz, Charles Bernard
<i>North Woodmere, New York</i> |
| Lempert, Norbert
<i>Forest Hills, New York</i> | Marks, Andrew Robert
<i>New York, New York</i> |
| Leslie, Keith Douglas
<i>Fayetteville, New York</i> | Maroney, Walter Leo, Jr.
<i>Andover, Massachusetts</i> |
| Levin, Harry Michael
<i>Teaneck, New Jersey</i> | Martin, Howard Clyde
<i>Milwaukee, Wisconsin</i> |
| Levy, David Marc
<i>Shaker Heights, Ohio</i> | Martin, Zack Z.
<i>Lawrenceville, Georgia</i> |
| Levy, John Edward
<i>Pacific Palisades, California</i> | Mason, Kent Allen
<i>Bethesda, Maryland</i> |
| Linnell, Richard Albert
<i>Topanga, California</i> | Mayo-Smith, Michael Fox
<i>Boston, Massachusetts</i> |
| Liss, Adam Daniel
<i>Bellmore, New York</i> | McAndrew, Alexander
<i>San Marino, California</i> |
| Ljungkull, Christopher Rolf
<i>St. Paul, Minnesota</i> | McEvoy, Michael Ray
<i>Perrysburg, Ohio</i> |
| Lopresti, Laurence Ralph
<i>Smithtown, New York</i> | McFeely, William Drake
<i>South Hadley, Massachusetts</i> |
| Lovekin, James Warren
<i>Fairfield, Connecticut</i> | McGhie, James Keith, III
<i>White Plains, New York</i> |
| Lundquist, Daniel Merritt
<i>Haverford, Pennsylvania</i> | McNitt, Peter J. B.
<i>Winnetka, Illinois</i> |
| Lyons, Mark Hugh Rock
<i>Huntington, New York</i> | Mechaber, Douglas Seth
<i>Fall River, Massachusetts</i> |
| MacGovern, George, Jr.
<i>Bronxville, New York</i> | Meister, Marc Joseph
<i>Swanton, Ohio</i> |
| Mack, Jonathan Harold
<i>New York, New York</i> | Meyers, John Frederick
<i>Yarmouthport, Massachusetts</i> |
| MacNeil, Roderick Wilson
<i>Ithaca, New York</i> | Millard, Peter Simon
<i>South Windham, Maine</i> |

JUNIORS

- Miller, Geoffrey Morison
Swarthmore, Pennsylvania
- Miller, Ralph David
Winnetka, Illinois
- Monroe, John Howard, Jr.
Winston-Salem, North Carolina
- Moore, Vincent Carl
Cleveland, Ohio
- Mosley, Michael Steven
Ardmore, Pennsylvania
- Mundt, G. Henry, III
Western Springs, Illinois
- Murphy, Arthur Thomas, Jr.
Milton, Massachusetts
- Nabrit, Ronald Lee
Atlanta, Georgia
- Naiden, Fred Sanks
Washington, D.C.
- Nardi, William Joseph
West Hartford, Connecticut
- Needle, Michael Richard
Rydal, Pennsylvania
- Ngege, Anthony Wawa
Cameroon, West Africa
- Nguyen, Trang-Tuan
Saigon, South Vietnam
- Nicholas, Robert Arthur
Stamford, Connecticut
- Nichols, William Hart, III
Sudbury, Massachusetts
- Nickerson, Bruce Lloyd
Saugus, Massachusetts
- Nihan, Leonard, Jr.
Lynnfield, Massachusetts
- O'Brien, Robert John
West Hartford, Connecticut
- O'Connor, Roderick Brian
Amherst, Massachusetts
- O'Neil, Matthew John, Jr.
Charlestown, Massachusetts
- Onishi, Naoki
Tokyo, Japan
- Orent, James Michael
West Newton, Massachusetts
- Pace, Robert Emanuel
Hartford, Connecticut
- Palacios, Alejandro Jose
Englewood, New Jersey
- Pani, Sri Hari
Bethesda, Maryland
- Pappas, Nicholas John
East Hartford, Connecticut
- Perniciaro, Stephen
Chester, Vermont
- Peterson, Keith Haviland
Phoenix, Arizona
- Purificacion, Leslie John
New York, New York
- Rapisarda, Paul Howard
Evanston, Illinois
- Rassieur, Benjamin Franklin, III
St. Louis, Missouri
- Rayner, Loris Matthew
Chicago, Illinois
- Reich, Scott Michael
Philadelphia, Pennsylvania
- Reilly, Craig Crandall
Greenwich, Connecticut
- Reinhardsen, James Sevrén
Berkeley, California
- Reliford, Arthur Jerome
Amherst, Massachusetts
- Robert, Frank Ainsworth
Westfield, New Jersey
- Rogers, Robert Podmore
Salinas, California
- Roseff, Richard
Parsippany, New Jersey
- Rosenberg, Mark Sherman
Yonkers, New York
- Rosenwasser, Steven Jonathan
Roslyn Heights, New York
- Rossi, Douglas Dale
Santa Monica, California
- Rothkopf, Douglas Miller
Lawrence, New York
- Roulier, Joseph Charles
Pittsfield, Massachusetts

AMHERST COLLEGE

- | | |
|---|--|
| Ruben, Richard Gordon
<i>Scarsdale, New York</i> | Smith, Robert Cranford, Jr.
<i>Waycross, Georgia</i> |
| Rugg, Peter Warren
<i>Amherst, Massachusetts</i> | Snyder, William Howard, Jr.
<i>West Redding, Connecticut</i> |
| Salomon, Gary David
<i>Brookline, Massachusetts</i> | Softness, Barney
<i>Glen Cove, New York</i> |
| Salzman, Jeffrey Hamilton
<i>Madison, New Jersey</i> | Soliday, David Shriver, III
<i>Litchfield, Connecticut</i> |
| Sarafian, Steven Sarkis
<i>Bronx, New York</i> | Soule, Robert Ragle
<i>Andover, Massachusetts</i> |
| Saunders, Timothy James
<i>Dayton, Ohio</i> | Staffin, Elliot Bruce
<i>Washington, D.C.</i> |
| Saverine, Peter Charles
<i>Darien, Connecticut</i> | Stevens, Michael Jonathan
<i>Madison, Connecticut</i> |
| Schimmel, Robert Nelson
<i>Essex Fells, New Jersey</i> | Stiles, Joshua Kent
<i>Summit, New Jersey</i> |
| Schnell, Paul Thomas
<i>New York, New York</i> | Stookey, Crane Wood
<i>Hastings-on-Hudson, New York</i> |
| Schoening, Jeffrey Davis
<i>South Dartmouth, Massachusetts</i> | Strach, Edward Paul
<i>Muskegon, Michigan</i> |
| Schwartz, William Irving
<i>Hollywood, Florida</i> | Sugerman, Peter Allen
<i>Stamford, Connecticut</i> |
| Seaver, Robert Edward
<i>Lawrence, Kansas</i> | Swain, Robert Burrough, III
<i>Old Saybrook, Connecticut</i> |
| Sell, Clive Hamilton
<i>Nashville, Tennessee</i> | Szymanski, Mikolaj Jerzy
<i>Warszawa, Poland</i> |
| Shaw, Mark Hamilton
<i>Cartersville, Georgia</i> | Tanger, John Carroll, IV
<i>Hanover, Pennsylvania</i> |
| Shaw, Robert Morrow
<i>Maple Glen, Pennsylvania</i> | Thayer, Richard Ellsworth
<i>Chestnut Hill, Massachusetts</i> |
| Shiozaki, Osamu
<i>Kohoku-ku, Yokohama, Japan</i> | Thomas, Bradley Jonathan
<i>Alamo, California</i> |
| Silva, Armando Max
<i>Tulare, California</i> | Thomas, Joseph Simon, Jr.
<i>Chicago, Illinois</i> |
| Sirkin, David Winsor
<i>Washington, D.C.</i> | Tiffany, Peter Nelson
<i>Pelham, New York</i> |
| Sirlin, Scott Michael
<i>North Woodmere, New York</i> | Trageser, Charles Stewart
<i>Wayland, Massachusetts</i> |
| Sizemore, Russell Yost
<i>Arlington, Virginia</i> | Vater, Paul Edward
<i>New Britain, Connecticut</i> |
| Smalls, Charles Augustus, Jr.
<i>Brooklyn, New York</i> | Vayer, Joshua Seth
<i>Longmeadow, Massachusetts</i> |
| Smith, Paul March
<i>Paris, France</i> | Vickery, Alan Borden
<i>Washington, D.C.</i> |

SOPHOMORES

Walker, Peter Shanahan
River Forest, Illinois

Wallace, Kevin Lloyd
Wilbraham, Massachusetts

Wallace, Robert Sherrill
Tiptonville, Tennessee

Ware, Ronald Heribert
Holyoke, Massachusetts

Watkins, Richardson Lawler
Oyster Bay, New York

Watson, Christopher
Marshfield, Massachusetts

Wegman, Douglas James
Rochester, New York

Weidman, James Adam
Roslyn, New York

Westberg, Dana Burns
North Scituate, Rhode Island

White, Walter Hiawatha, Jr.
Mequon, Wisconsin

Whitelaw, Mark Joseph
Seekonk, Massachusetts

Williams, Carl Richard
Abington, Pennsylvania

Wilson, Joseph Michael
Memphis, Tennessee

Wilson, Lee Anthony
Winnetka, Illinois

Wolpe, Stephen Dov
Philadelphia, Pennsylvania

Woolston, Vernon Lee, Jr.
Skaneateles, New York

Wright, John Burke
Keene, New Hampshire

Wulsin, Drausin Foster
Cincinnati, Ohio

Yake, Stephen Lincoln
Cohasset, Massachusetts

Young, John Thomas
Freeport, New York

Adler, Robert Jacob
Toms River, New Jersey

Alexander, Edward James
Brooklyn, New York

Alexander, Scott Kirby
Columbus, Ohio

Anderson, Clifford Arthur
Briarcliff Manor, New York

Anderson, Duncan Maxwell
New City, New York

Appleman, Gary David
Brooklyn, New York

Appy, Christian Gerard
Westport, Connecticut

Apt, Adam Jared
Belmont, Massachusetts

Armstrong, Walter Preston, III
Memphis, Tennessee

Atherley, Quentin Frederick
Hempstead, New York

Atkin, Jeffrey Scott
Hollywood, Florida

Ayoub, George Stephen
Leominster, Massachusetts

Babbott, David Varick
Burlington, Vermont

Bach, Raymond Gordon
Great Neck, New York

Balthazar, Scott Leslie
South Hadley, Massachusetts

Banfield, Dean Sinclair
New Canaan, Connecticut

Banks, Gordon Leslie
New York, New York

Barlow, Robert Sutton
Concord, Massachusetts

Bassett, Edwin Ralph
Upper Montclair, New Jersey

Beck, William Miles
Belcourt, North Dakota

Bellinger, Robert Anderson
Stamford, Connecticut

Bellis, Peter John
Houston, Texas

Sophomores Class of 1977

Adams, Thomas Perrill
New Orleans, Louisiana

AMHERST COLLEGE

- | | |
|--|---|
| Bernstein, Richard Bruce
<i>Bayside, New York</i> | Brown, Joseph Kingman
<i>Peacham, Vermont</i> |
| Bertles, James Billet
<i>Greenwich, Connecticut</i> | Bruce, Scott Alden
<i>Seattle, Washington</i> |
| Best, Gregory Allen
<i>Glenview, Illinois</i> | Buckley, John Christopher
<i>Needham, Massachusetts</i> |
| Best, Richard Leonard Mark
<i>Evanston, Illinois</i> | Bulman, Steven Delaney
<i>Bethesda, Maryland</i> |
| Bickel, William Jon
<i>Yonkers, New York</i> | Burns, David Lloyd
<i>St. Albans, New York</i> |
| Blackwell, Alan Edward
<i>Bronx, New York</i> | Burton, David Archer Bruce
<i>Bethesda, Maryland</i> |
| Blumberg, Bruce Mitchell
<i>Winchester, Massachusetts</i> | Cadigan, William Joseph Peter
<i>Brockton, Massachusetts</i> |
| Boal, David Geary
<i>New Rochelle, New York</i> | Calabrese, Philip
<i>New York, New York</i> |
| Bohjalian, Andrew Peter
<i>Miami Lakes, Florida</i> | Callanan, Christopher Kernan
<i>Baltimore, Maryland</i> |
| Bollier, David Alexander
<i>Hamden, Connecticut</i> | Callanan, Richard
<i>West Roxbury, Massachusetts</i> |
| Boniello, Thomas Robert
<i>South Orange, New Jersey</i> | Cannon, Mark Willard
<i>Tucson, Arizona</i> |
| Borum, Nathaniel Kevin
<i>Roxbury, Massachusetts</i> | Carbone, David Paul
<i>Highland, Maryland</i> |
| Brennan, Kerry Paul
<i>Schenectady, New York</i> | Carol, David James
<i>Leominster, Massachusetts</i> |
| Brock, George Benedict
<i>Dayton, Ohio</i> | Cerf, Christopher David
<i>Cambridge, Massachusetts</i> |
| Brock, John Earl
<i>Ann Arbor, Michigan</i> | Charnoff, Jan Stuart
<i>Ellenville, New York</i> |
| Broderick, Thomas Baldrige
<i>Northfield, Massachusetts</i> | Chu, David William
<i>Schenectady, New York</i> |
| Brodigan, Bruce Fraser
<i>West Hartford, Connecticut</i> | Clark, John Elliott
<i>Washington, D.C.</i> |
| Brodzik, Richard Frank
<i>Eggertsville, New York</i> | Cline, Lawrence Tracey
<i>Williamsport, Maryland</i> |
| Brophy, James Gerald
<i>Amherst, Massachusetts</i> | Clinton, John Brooks
<i>Darien, Connecticut</i> |
| Brothers, Dwight Douglas
<i>Concord, Massachusetts</i> | Cohen, Robert Lawrence
<i>Lawrence, New York</i> |
| Brown, Christopher Aubrey
<i>Cambridge, Massachusetts</i> | Collins, Gary Spencer
<i>Edina, Minnesota</i> |
| Brown, Gerald Steven
<i>Rio de Janeiro, Brazil</i> | Comerford, David Patrick
<i>Buffalo, New York</i> |

SOPHOMORES

Cone, Thomas Edward
Greensboro, North Carolina

Connell, Stewart Allan
Cincinnati, Ohio

Conner, John Thomas
Park Ridge, Illinois

Cooper, Todd Laurence
Wyndmoor, Pennsylvania

Crawford, Rickey Lee
Silver Spring, Maryland

Cromartie, Eric Ross
Winnetka, Illinois

Cross, John Cleaveland
Chester Depot, Vermont

Cummings, Gary Paul
Norway, Maine

Curbelo, Andres Alejandro
New York, New York

Curtis, Paul Leonard
St. Albans, New York

Daniell, Mark Haynes
Exeter, New Hampshire

Dasher, Thomas Thomson
Palatine, Illinois

Davidson, David Lindsay
Potomac, Maryland

DeCamp, Charles Edward
Flint, Michigan

de Picciotto, Philip Maurice
New York, New York

Delfiner, Michael Baruch
Lexington, Massachusetts

Deutsch, Jeffrey Scott
Mequon, Wisconsin

DeVries, Thomas John
Woodbury, Connecticut

Diaz, Robert Bentancurt
Phoenix, Arizona

Dickson, Claude Clarence, Jr.
Little Ferry, New Jersey

Dix, Willard Miller
Mendham, New Jersey

Dolph, John Mather, III
Riverside, Connecticut

Domijan, David Leo Donald
New Britain, Connecticut

Donovan, Brian Roger
Guilderland, New York

Downs, David Erskine
Durham, New Hampshire

Dunbar, Donald Scott
Exeter, New Hampshire

Dykehouse, James Brian
Spring Lake, Michigan

Ehrgood, Daniel Grandin
Lebanon, Pennsylvania

Eisenhut, Keith Alfred
Deansboro, New York

Ellis, David Weil
Evanston, Illinois

Ellis, George Corson, III
Atlantic Highlands, New Jersey

Epstein, Joshua Morris
Amherst, Massachusetts

Erard, Robert Edward
Reston, Virginia

Evans, Aaron Anthony
Indianapolis, Indiana

Falkow, Stephen Jay
Brooklyn, New York

Farrand, Stephen Cole
Weston, Connecticut

Farren, Joel David
Westport, Connecticut

Ferm, Robert Paul
South Hadley, Massachusetts

Fernberger, Peter Baldwin
Weston, Massachusetts

Finch, Gregory Alan
Camarillo, California

Fine, Jeffrey Elliot
Pawtucket, Rhode Island

Fiori, Michael Angelo
Valhalla, New York

Floro, Francisco Mark Aspuria, Jr.
Quezon City, Philippines

Foote, Peter Vinton
Middlebury, Vermont

AMHERST COLLEGE

- | | |
|---|--|
| Foran, John Francis Robert, Jr.
<i>New Canaan, Connecticut</i> | Gruskay, Jeffrey Alan
<i>Woodbridge, Connecticut</i> |
| Fowler, Robert Raissi
<i>Enfield, Connecticut</i> | Hager, Mark McLaughlin
<i>Northbrook, Illinois</i> |
| Freedman, Jack
<i>Silver Spring, Maryland</i> | Hart, Bradford Downey
<i>Chevy Chase, Maryland</i> |
| Friend, David Michael
<i>Highland Park, Illinois</i> | Hartman, Kirk Douglas
<i>Philadelphia, Pennsylvania</i> |
| Gatlin, Jonathan Clark
<i>Evanston, Illinois</i> | Hatch, Warren Amos
<i>Portland, Oregon</i> |
| Gendelman, David Samuel
<i>Amherst, Massachusetts</i> | Hawkins, Douglas Ralph
<i>Portland, Oregon</i> |
| Gifford, Thomas Whitcomb
<i>Spring Lake, Michigan</i> | Heiligman, Mark Isaac
<i>Framingham, Massachusetts</i> |
| Gilfix, Jeffrey Lee
<i>Wellesley, Massachusetts</i> | Heinze, Andrew Ritchie
<i>Matawan, New Jersey</i> |
| Gleckel, Louis Wade
<i>Tenafly, New Jersey</i> | Hellinger, Walter Charles
<i>Orlando, Florida</i> |
| Glover, Stephen Inman
<i>London, England</i> | Hensler, Arthur Charles, III
<i>Chatham, New Jersey</i> |
| Golden, Michael Arthur
<i>Fort Washington, Pennsylvania</i> | Herrin, Scott H.
<i>Rydal, Pennsylvania</i> |
| Goodwin, David Menilek
<i>Berkeley, California</i> | Hicks, Phillip Henry, Jr.
<i>Wyoming, Ohio</i> |
| Gorbet, Michael Patrick Joseph
<i>Sycamore, Illinois</i> | Hill, Christopher Thomas
<i>Suva, Fiji Islands</i> |
| Gordon, Reginald
<i>East Orange, New Jersey</i> | Hines, William Harold
<i>Winnetka, Illinois</i> |
| Granzow, Russell Henry, Jr.
<i>Schaumburg, Illinois</i> | Hirsch, Sheldon Michael
<i>Bellmore, New York</i> |
| Grass, William Henry
<i>Brattleboro, Vermont</i> | Hoerth, Jeffrey Garrison
<i>Marblehead, Massachusetts</i> |
| Gray, Stephen George
<i>Taunton, Massachusetts</i> | Hogan, Jeffrey John Christopher
<i>Milwaukee, Wisconsin</i> |
| Green, Douglas Edward
<i>Greenlawn, New York</i> | Hollister, Thomas James
<i>Gates Mills, Ohio</i> |
| Greenberg, Andrew Seth
<i>Jericho, New York</i> | Hove, Vushe Josiah
<i>Amherst, Massachusetts</i> |
| Greene, Christopher Matthew
<i>New Britain, Connecticut</i> | Howard, John Whitman, Jr.
<i>Darien, Connecticut</i> |
| Greer, Robert Rush
<i>South Orange, New Jersey</i> | Howard, Perry Holbrook, Jr.
<i>Baton Rouge, Louisiana</i> |
| Gross, Jonathan Sterling
<i>Lakewood, New Jersey</i> | Hulick, David Michael
<i>Hancock, New Hampshire</i> |

SOPHOMORES

Hupper, John Roscoe, Jr.
New York, New York

Jacobs, Jeffrey Morris
Branford, Connecticut

Jakobek, Andrew John
Longmeadow, Massachusetts

James, Stephen Demers
Calgary, Alberta, Canada

Jaster, Mark Linden
Washington, D.C.

John, Werner Paul Karl
Chester, New York

Johnson, Kent Stanfield
Cos Cob, Connecticut

Johnson, Willie Jr.
St. Louis, Missouri

Jones, Jeffrey Entwistle
Alexandria, Virginia

Judd, Donald Murray, III
Hudson, Ohio

Kamin, James Alan
Brunswick, Maine

Kaufman, James David
Steubenville, Ohio

Kay, David Nueve
Chadds Ford, Pennsylvania

Keller, Christoph, III
Little Rock, Arkansas

Kelley, Garrett Purcell, Jr.
Milwaukee, Wisconsin

Kelly, Allan Rowan
Fort Worth, Texas

Kelly, Robert Hart
Fort Worth, Texas

Kenney, Lawrence Allen
Hartford, Connecticut

Kitchell, Robert Webster
Seattle, Washington

Kooij, Maarten Berend
Bethesda, Maryland

Kotfila, Mark Stephen Luke
Holyoke, Massachusetts

Kramer, David John
Cleveland, Ohio

Kramer, Jeffrey Hofman
Huntington, New York

Lake, Robert Martin, Jr.
Concord, New Hampshire

Lanznar, Howard Samuel
Clayton, Missouri

Lawrence, Roger Wenzel
Westminster, Massachusetts

Levison, Lee Michael
Newton, Massachusetts

Levy, Harlan Andrew
New York, New York

Levy, Richard Allen
Winnetka, Illinois

Lewallen, Scott Tedford
Virginia Beach, Virginia

Lewis, James Carroll
Sherman, Texas

Libert, Jeffrey Alan
Hartsdale, New York

Lin, Hoa Sing
West Orange, New Jersey

Lipman, Steven Paul
Huntington, New York

Lively, John Sydney
Waverly, New York

Lobrano, Alexander Flick, Jr.
Weston, Connecticut

Lockhart, Samuel Kerr
Bernardsville, New Jersey

Loeb, Michael Rolf
Scarsdale, New York

Loebner, Benny Joseph
Palo Alto, California

Loizzo, Joseph John
Old Westbury, New York

Lombardo, David Michael
West Hartford, Connecticut

Loomis, James William
Old Greenwich, Connecticut

Lord, William Aborn
Providence, Rhode Island

Lourie, Ronald Anatole Schuelein
New York, New York

AMHERST COLLEGE

- | | |
|---|---|
| MacLachlan, Christopher Lind
<i>Erie, Pennsylvania</i> | Naylor, David Arthur
<i>Wilmington, Delaware</i> |
| Magill, Robert Dale
<i>Lake Forest, Illinois</i> | Neill, James Mohr
<i>Portland, Oregon</i> |
| Maloney, Timothy Patrick
<i>Orchard Park, New York</i> | Nichols, Keith Frederick
<i>Providence, Rhode Island</i> |
| Margolis, Alan Jay
<i>Lawrence, New York</i> | Nowak, Jeremy Lee
<i>New York, New York</i> |
| Martin, David Pharis
<i>Houston, Texas</i> | Odim, Jonah Ndukwo Kalu
<i>Pittsburgh, Pennsylvania</i> |
| Martland, Theodore David
<i>Woodbury, Connecticut</i> | Oldfield, Frederic Mey
<i>Chicago, Illinois</i> |
| Mayer, William James
<i>Greenlawn, New York</i> | Olena, Kenneth Arnold
<i>East Aurora, New York</i> |
| McDowell, David Patrick
<i>Springfield, Massachusetts</i> | Ong, Robert Douglas
<i>New Milford, New Jersey</i> |
| McHenry, Michael Stephen
<i>Washington, D.C.</i> | Osur, Scott Leigh
<i>Storrs, Connecticut</i> |
| McKechnie, John Parker, Jr.
<i>Putnam Valley, New York</i> | Para, Noel Jan
<i>Kingsley, Iowa</i> |
| McLean, Sandy Sylvania
<i>Jersey City, New Jersey</i> | Pastan, Stephen Olenik
<i>Potomac, Maryland</i> |
| Meier, David Ethan
<i>Stanford, California</i> | Patrick, Grant Robert
<i>Pittsburgh, Pennsylvania</i> |
| Mendelsohn, Michael Edward
<i>Clayton, Missouri</i> | Paul, Joel Richard
<i>Harrison, New York</i> |
| Middleton, John Staubus
<i>Bryn Mawr, Pennsylvania</i> | Paul, Richard Vincent
<i>Longmeadow, Massachusetts</i> |
| Miller, John Bradley
<i>Shaker Heights, Ohio</i> | Perkins, Carl Scott
<i>St. Louis, Missouri</i> |
| Miller, Lloyd James
<i>Dayton Ohio</i> | Peters, Stephen Jay
<i>Charlestown, Indiana</i> |
| Monroe, Robert Edward, Jr.
<i>Rockport, Massachusetts</i> | Pfeiffer, Richard John
<i>Glen Rock, New Jersey</i> |
| Morales, Pedro Jaime
<i>Bronx, New York</i> | Philbrick, James Callan
<i>Gorham, Maine</i> |
| Morris, Michael Lewis
<i>Blanch, North Carolina</i> | Pinkus, Harry Eli
<i>Great Neck, New York</i> |
| Moss, Kevin Murphy
<i>New Orleans, Louisiana</i> | Pittman, Lamar Jerome
<i>Pine Bluff, Arkansas</i> |
| Moulton, James Roby
<i>Brunswick, Maine</i> | Pollock, Stephen Chaim
<i>Winnetka, Illinois</i> |
| Murdoch, Peter Stewart
<i>Durham, New Hampshire</i> | Porter, Albert Roberts
<i>Hendricks, Pennsylvania</i> |

SOPHOMORES

Poss, Stephen Daniel
Amherst, New York

Protiva, David Bell
Atlanta, Georgia

Purdy, Richard Scott
Silver Spring, Maryland

Quinto, David Walter
Tucson, Arizona

Rabinowitz, Peter MacGarr
Seattle, Washington

Rasmussen, Raun Jay, Jr.
Glen Rock, New Jersey

Rawdon, Robert Clark
Riverside, California

Regalado, Martin Ruben
Amherst, Massachusetts

Regine, Timothy Edmund
Warwick, Rhode Island

Rehnquist, James Cornell
McLean, Virginia

Reinsdorf, Marshall Budd
King George, Virginia

Rich, Todd William
Orchard Lake, Michigan

Rives, Robert Clement, Jr.
Rye Beach, New Hampshire

Roberts, James Michael
Scarsdale, New York

Roch, James Jeremy
Willimantic, Connecticut

Rodman, Richard Harvey
Great Neck, New York

Rollinson, Keith Thomas Kyle
Rahway, New Jersey

Rose, George William
Bayonne, New Jersey

Rosenthal, Paul Eric
Los Angeles, California

Rosenthal, Stephen Harris
West Hartford, Connecticut

Ross, Stanley Kaare
Greenwich, Connecticut

Rossin, Allen Edgar
West Palm Beach, Florida

Rothblum, David Marcus
Vienna, Austria

Russell, David Joseph
Gardner, Massachusetts

Ryan, Hughes
Ross, California

Sadovnikoff, Nicholas
Providence, Rhode Island

Sander, Mark VanDyke
Milton, Massachusetts

Schertler, David
Chicago, Illinois

Schneider, Peter Andrew
Hamburg, New York

Schneiderman, Eric Tradd
New York, New York

Schulwolf, James Curtis
Jackson Heights, New York

Schwalb, Lester Leonard
Scranton, Pennsylvania

Scott, Philip Emery
Lansdowne, Pennsylvania

Seamans, David Prescott Tufts
New Canaan, Connecticut

Sena, Thomas John
Gloversville, New York

Seppa, Gerald Wayne
Amherst, Massachusetts

Shaw, Henry Francis, III
Winchester, Massachusetts

Shea, Mark Robert
Worcester, Massachusetts

Shulman, Ron Eleazer
Winnetka, Illinois

Sims, Mark Norris
Hastings-on-Hudson, New York

Skeele, Harrison Fowler
New Canaan, Connecticut

Smith, Arthur Tremaine
St. Louis, Missouri

Smith, Bill
New York, New York

Smith, Jeffrey Howard
Wakefield, Rhode Island

AMHERST COLLEGE

- Soja, Matthew Joseph
Granby, Massachusetts
- Soleau, William Clifford
Concord, Massachusetts
- Soltren, Rafael
New York, New York
- Spink, David Channing
Ann Arbor, Michigan
- Steinberg, William
West Newton, Massachusetts
- Stevenson, Frank Earl, II
Fort Worth, Texas
- Stolz, Richard Fallis, III
McLean, Virginia
- Strassenburg, Gary Alan
Port Jefferson, New York
- Sullivan, Peter Barrett
Shaker Heights, Ohio
- Tarpey, Thomas Austin, Jr.
South Dennis, Massachusetts
- Teicher, Bruce Jay
Dix Hills, New York
- Tietjen, James Ramsey
Old Saybrook, Connecticut
- Tolbert, Mitchell Page
Baton Rouge, Louisiana
- Trachtenberg, Zev Matthew
New Haven, Connecticut
- Trout, Phillip Ralph
Ruthton, Minnesota
- Tsien, Sherman Chia Hui
Upper Saddle River, New Jersey
- Tunis, Jeffrey Stewart Alexander
Charlottesville, Virginia
- Tunis, Scott William
Charlottesville, Virginia
- Turner, Douglass Allen
New York, New York
- Ubersax, Jeffery Delmar
Wilbraham, Massachusetts
- Vagias, James Neil
New Milford, New Jersey
- Vagourdes, James Moudry
Shorewood, Wisconsin
- Versacci, Timothy Charles
Bethlehem, Pennsylvania
- Vincent, Paul Joseph Michael
Afton, Minnesota
- Vogel, David Seth
Bronx, New York
- Wack, Daniel Christopher John
Bethesda, Maryland
- Warren, Gabriel Penn
Fairfield, Connecticut
- Webster, David Fradd
Oregon, Illinois
- Wells, Christopher Danforth
Kenilworth, Illinois
- Wenson, Robert Patrick Charles
Rahway, New Jersey
- Whittingham, Michael Paul
New York, New York
- Williams, Donald Earle, Jr.
Fort Worth, Texas
- Williams, James, III
Winston-Salem, North Carolina
- Williams, John Michael
Tuscaloosa, Alabama
- Williams, Nicholas Murat
Madison Mills, Virginia
- Willoughby, Kenneth Gray
New Haven, Connecticut
- Wilmer, Charles Inman
Atlanta, Georgia
- Wilson, Richard Anthony, III
Bristol, Rhode Island
- Winkel, Glen Kalani
Massapequa, New York
- Winslow, Jeffrey
Tiburon, California
- Withey, James Vance, Jr.
Ponca City, Oklahoma
- Wittpenn, John Ryder, Jr.
Glen Ridge, New Jersey
- Wolf, Brian Edmund
Englewood, New Jersey
- Wolf, Bruce Lee
Louisville, Kentucky

FRESHMEN

Wolk, Jeffrey Mark
Roslyn, New York

Wynn, Arthur
Philadelphia, Pennsylvania

Wysor, James Johnston
Pittsburgh, Pennsylvania

Yarmala, Joseph Anthony, Jr.
Amherst, Massachusetts

Yen, Paul Michael
Newton Highlands, Mass.

Young, Edward Daniel, III
Lowry AFB, Colorado

Yu, Leonard Tobey
Kinnelon, New Jersey

Zafirion, John Marios
Athens, Greece

Zeigler, Belton Townsend
Florence, South Carolina

Freshmen Class of 1978

Abrams, Kevin Roy
Batavia, Ohio

Abrams, Steven Leo
Pikesville, Maryland

Abramson, Arne Steven
Bloomfield Hills, Michigan

Adams, William Wright
Pepper Pike, Ohio

Adkinson, William Fay, Jr.
Nyack, New York

Albert, Douglas Roy
Huntington, New York

Albright, Randall Hugh Willits
Long Beach, California

Alexander, Victor Theodore
Athens, Greece

Alfgren, Scott Heath
Radnor, Pennsylvania

Allen, Gregory Bruce
Larchmont, New York

Applefield, David
Willowdale, Ontario, Canada

Armstrong, Walter Dale, III
West Chester, Pennsylvania

Arthur, Rodney Samuel Andrew, Jr.
Lutherville, Maryland

Artis, Otho Wells, Jr.
Cleveland, Ohio

Atlas, Jeffrey Lewis
Washington, D.C.

Bacon, Bruce Wilson
Toronto, Ontario, Canada

Bak, Martin Paul
Amherst, Massachusetts

Balakrishnan, Narayanan
Ramnad, Tamil Nadu, India

Banta, Kenneth Whittemore
New Providence, New Jersey

Beattie, Chester Sanford, Jr.
Cambridge, Massachusetts

Bedford, William McKinley
North Hampton, New Hampshire

Belkin, Michael
Farmington, Connecticut

Bendicksen, Perry Edward, III
Smithtown, New York

Bendix, John Steven
Berkeley, California

Beneski, Theodore William
West Suffield, Connecticut

Berenholtz, James Robert
Fresh Meadows, New York

Bernstein, Richard Alan
New Hyde Park, New York

Biestek, John Stanley Edwin
Meriden, Connecticut

Blair, Charles Edward
Canton, Mississippi

Bloomfield, Louis Aub
Urbana, Illinois

Boldt, Harrison Robert
Louisville, Kentucky

Bombardier, Thomas John
Granby, Massachusetts

Bomont, Kirk Knowles
Las Cruces, New Mexico

Borek, William Daniel
Swampscott, Massachusetts

AMHERST COLLEGE

- Bowen, Timothy Dana
Spring Lake, Michigan
- Brennan, Robert Thomas
Manhasset, New York
- Brickman, Alan David
West Nyack, New York
- Brown, Peter Martindale
APO, New York, New York
- Buis, Stephen Kent
Pittsburgh, Pennsylvania
- Burdett, James Willard
Barre, Vermont
- Burke, Paul Aloysius Joseph
Buffalo, New York
- Burkhardt, Jesse Stuart
Fitzwilliam, New Hampshire
- Burton, Fletcher Martin
Nashville, Tennessee
- Bushman, Wade Alan
Warwick, Rhode Island
- Caligaris, Joseph Thayer
Holliston, Massachusetts
- Callahan, Michael Chaney
Weston, Connecticut
- Casertano, Drew Jon
Cheshire, Connecticut
- Chase, Donald Howard
Woodbridge, Connecticut
- Church, Peter Van Nuys
Riverside, Connecticut
- Claman, Jeffrey Morris
Vancouver, B.C., Canada
- Clancy, Sean Matthew Michael
Garden City, New York
- Clark, Kevin Michael
Canastota, New York
- Clegg, Thomas
Barcelona, Spain
- Cleland, Corey Lee
Bloomfield, Connecticut
- Cocuzzo, Joseph Domenic
West Newton, Massachusetts
- Coleman, Steve
Rock Hill, Missouri
- Collins, Stephen John
Mendham, New Jersey
- Condon, Joseph Francis, III
Scarsdale, New York
- Connelly, Christopher Crawford
New York, New York
- Cosell, Greg David
Fresh Meadows, New York
- Cotton, Huey Penton, Jr.
Los Angeles, California
- Crary, Robert Cameron Kitchell
New Canaan, Connecticut
- Crone, Walter Seth, Jr.
Buffalo, New York
- Daglian, Kourken Thomas
Tenafly, New Jersey
- de la Rama, Christopher
Bronx, New York
- Devita, Angelo Joseph Charles
Clarks Summit, Pennsylvania
- Dickinson, David Brian
Lake Oswego, Oregon
- Diggs, Morse Ricardo
Cleveland, Ohio
- Dobkin, Leon Jay
West Hartford, Connecticut
- Doelling, Kurt Norman
Lexington, Massachusetts
- Dolmatch, Stephen Joseph
Briarcliff Manor, New York
- Dorsch, James Alexander, Jr.
Potomac, Maryland
- Douglas, Victor Raphael
Detroit, Michigan
- Downing, Michael John, Jr.
Cleveland, Ohio
- Driscoll, Robert Gainley, III
Dedham, Massachusetts
- Echtenkamp, Paul Timothy
Weston, Connecticut
- Edelberg, Joseph Rubin
Northampton, Massachusetts
- Eisenbeiss, Christian Richard
Greenwich, Connecticut

FRESHMEN

- | | |
|---|---|
| Ellis, David Anderson
<i>Tullahoma, Tennessee</i> | Glaser, Michael Joseph
<i>San Mateo, California</i> |
| Enelow, Richard Ian
<i>New Orleans, Louisiana</i> | Golding, William Alexander
<i>Edmonds, Washington</i> |
| Epner, Maury Steven
<i>San Antonio, Texas</i> | Goldstein, Richard Erwin
<i>Narberth, Pennsylvania</i> |
| Erb, Paul David
<i>Richmond, Virginia</i> | Goodman, Joshua Louis
<i>Milwaukee, Wisconsin</i> |
| Eubanks, Tommy Gregory
<i>St. Louis, Missouri</i> | Greenberg, Alan Edward
<i>New York, New York</i> |
| Fennell, Paul
<i>Scottsdale, Arizona</i> | Greenberg, Benjamin David
<i>Coral Gables, Florida</i> |
| Fenster, Charles Barnett
<i>Forest Hills, New York</i> | Greer, William James, III
<i>Marquette, Michigan</i> |
| Ferriter, Maurice Joseph, Jr.
<i>Holyoke, Massachusetts</i> | Grosslein, Ronald Martin
<i>West Falmouth, Massachusetts</i> |
| Fisher, Lloyd Lawrence
<i>Fall River, Massachusetts</i> | Grunebaum, Andrew Moyer
<i>White Plains, New York</i> |
| Foote, Charles Brian
<i>Middlebury, Vermont</i> | Gunnarsen, Nels Christian
<i>Citrus Heights, California</i> |
| Formato, Marc David
<i>Chagrin Falls, Ohio</i> | Gunther, Andrew John
<i>Beverly Hills, California</i> |
| Fornell, Eric Oliver
<i>Detroit, Michigan</i> | Hamilton, James Robert
<i>Wilton, Connecticut</i> |
| Franco, Edmond David
<i>Rockville Centre, New York</i> | Hansel, James Harris
<i>Shaker Heights, Ohio</i> |
| Frank, Daniel Bruce
<i>Chicago, Illinois</i> | Harris, Paul Andrew
<i>Sharon, Connecticut</i> |
| Freilich, Steven Charles
<i>Ardmore, Pennsylvania</i> | Harvey, Douglas Madison
<i>Wellesley, Massachusetts</i> |
| Frosch, Matthew Philip
<i>New York, New York</i> | Harwood, Craig Steven
<i>Medfield, Massachusetts</i> |
| Fulton, David Campbell, Jr.
<i>Cleveland Heights, Ohio</i> | Haymes, Mitchell Jeffrey
<i>Silver Spring, Maryland</i> |
| Ganem, Kenneth Joseph, Jr.
<i>Westwood, Massachusetts</i> | Hays, John Patrick
<i>Essex Fells, New Jersey</i> |
| Garber, Alan Craig
<i>Monsey, New York</i> | Hendel, Douglas Alan
<i>New London, Connecticut</i> |
| Gerrard, Steven Burr
<i>Charleston, West Virginia</i> | Henderson, Alexander David
<i>Winona, Minnesota</i> |
| Gibson, Christopher Eakin
<i>Upper St. Clair, Pennsylvania</i> | Henderson, David Dwayne
<i>Chicago, Illinois</i> |
| Gilbert, Fredrick Lamar
<i>Atlanta, Georgia</i> | Hollenberg, Steven Michael
<i>Rockville Centre, New York</i> |

AMHERST COLLEGE

- | | |
|---|--|
| Howe, John Burleigh
<i>Weston, Massachusetts</i> | Labriola, Arthur John
<i>Hopewell Junction, New York</i> |
| Hull, Sanford Douglas
<i>Cold Spring Harbor, New York</i> | Lam, Kevin Hor
<i>New York, New York</i> |
| Humphrey, Edward Vance
<i>Lutherville, Maryland</i> | Lentz, David Holloway
<i>Baltimore, Maryland</i> |
| Hunt, Darrell Wayne
<i>Lake Charles, Louisiana</i> | Lerner, Gregg Steven
<i>Stamford, Connecticut</i> |
| Iaderosa, Pasquale Beniamino Michel
<i>Detroit, Michigan</i> | Levine, Frederick Gordon
<i>Rockville Centre, New York</i> |
| Jacobson, Matthew Andrews
<i>Ridgefield, Connecticut</i> | Levine, Neil Louis
<i>Schenectady, New York</i> |
| Jaffee, Robert Heller
<i>Dobbs Ferry, New York</i> | Linenthal, Richard Alan
<i>Brookline, Massachusetts</i> |
| Johanson, Bradford Lane
<i>Cape Elizabeth, Maine</i> | Livaudais, Marcel Moret
<i>New Orleans, Louisiana</i> |
| Jones, David MacLachlan
<i>Lexington, Massachusetts</i> | Lopresti, Leigh Stewart
<i>Smithtown, New York</i> |
| Jones, Thomas Walter, Jr.
<i>St. Albans, New York</i> | Lunghino, Steven Devit
<i>Westport, Connecticut</i> |
| Jones, Wesley McAfee
<i>St. Louis, Missouri</i> | Lynch, Edward Gaetano
<i>Brussels, Belgium</i> |
| Kalt, Thomas Francis
<i>Williamstown, Massachusetts</i> | Marchio, James David
<i>North Plainfield, New Jersey</i> |
| Keene, Richard Laurence
<i>Owings Mills, Maryland</i> | Markley, Joseph Cowles
<i>Plantsville, Connecticut</i> |
| Keith, David Middlebrook
<i>Falmouth, Massachusetts</i> | Marshall, Charles McAlister, Jr.
<i>Simsbury, Connecticut</i> |
| Kelly, Francis Joseph Thomas, III
<i>Simsbury, Connecticut</i> | Marvet, Martin Frank
<i>Knoxville, Tennessee</i> |
| Kenney, William Greer, Jr.
<i>Penfield, New York</i> | Mashni, Samir Wadie
<i>Westland, Michigan</i> |
| Kesselhaut, Glenn David
<i>West Orange, New Jersey</i> | Mason, Peter Willard
<i>Summit, New Jersey</i> |
| King, Clark Chapman, III
<i>Northbrook, Illinois</i> | Massey, William Alfred, III
<i>Birmingham, Alabama</i> |
| Klein, Jeffrey Steven
<i>Shavertown, Pennsylvania</i> | Mathewson, Kevin Marr
<i>New York, New York</i> |
| Knodel, Ralph Howard, III
<i>Sheridan, Wyoming</i> | Maturo, Raymond Anthony
<i>Pontiac, Michigan</i> |
| Koloski, Martin Gerard, Jr.
<i>Poughkeepsie, New York</i> | McAleer, Kenneth Edward
<i>New York, New York</i> |
| Kushi, Lawrence Haruo
<i>Brookline, Massachusetts</i> | McDuffie, Haywood Edward, Jr.
<i>Cleveland, Ohio</i> |

FRESHMEN

- McGinley, Joseph Ambrose
Sudbury, Massachusetts
- McLaughlin, Robert Brian
Trenton, New Jersey
- McMahon, Stephen Howard
Los Alamos, New Mexico
- McNally, Mark John
Wilton, Connecticut
- Mead, Richard Hayden
Castle Rock, Colorado
- Memhard, Raymond Scott
Riverside, Connecticut
- Meyer, Michael Laurence Harold
Beverly Hills, California
- Minicus, Richard George
Armonk, New York
- Mitchell, Duncan Robertson
Morristown, New Jersey
- Mitchell, Thomas Bradford
Longmeadow, Massachusetts
- Molin, Karl Teo, II
Arlington, Virginia
- Monosson, Steven Aaron
Natick, Massachusetts
- Moore, David Lewis
Scotch Plains, New Jersey
- Moore, Derek Anthony Ronnebeck
Denver, Colorado
- Morales, Ricardo Elias
Bronx, New York
- Morse, Richard Bartram
Florence, Massachusetts
- Mosca, Stephen Anthony
Watertown, Massachusetts
- Moses, Donald Harris
New Orleans, Louisiana
- Mosher, Benjamin Snow
Meriden, Connecticut
- Moulton, Robert Spettel
Amherst, New Hampshire
- Mulford, Ross Clayton
Alexandria, Virginia
- Murphy, Bennett Justin
Chevy Chase, Maryland
- Nadel, Mark Stewart
Millwood, New York
- Natter, Jeffrey Edward
Highland Park, New Jersey
- Nesler, Joseph Hartt
Wilmette, Illinois
- Nessen, Joshua Fuld
New York, New York
- Neustadt, Jeffrey Bruce
Louisville, Kentucky
- Newman, Michael David
Newtown, Connecticut
- Norman, Richard Eric
Centerville, Massachusetts
- O'Carroll, Kevin Sheehan Donlea
Stockton Springs, Maine
- O'Connell, Jeremy Foley
Worcester, Massachusetts
- O'Donoghue, Kevin John Joseph
Cleveland, Ohio
- O'Shaughnessy, Timothy James
Berwyn, Pennsylvania
- Ogden, David Martin
Spokane, Washington
- Olds, James Leland
Pasadena, California
- Ostrander, Robert Henry
Pepper Pike, Ohio
- Ouyang, Paul Ling-Hung
Peitow, Taipei, Taiwan
- Parisi, Mark Leo
Huntingdon Valley, Pennsylvania
- Parker, Paul Willis
Wayzata, Minnesota
- Petersen, Carl Edward
Ellicott City, Maryland
- Petri, Stephen Paul
Fall River, Massachusetts
- Petros, David Paul
Lowell, Massachusetts
- Pinder, Woodrow Alque, Jr.
Cambridge, Maryland
- Pitoniak, Edward Baltazar
Westfield, Massachusetts

AMHERST COLLEGE

- Porter, William Glover, II
Columbus, Ohio
- Pratt, Mitchell Charles
New York, New York
- Pratt, Thomas Winfield
Orange, Connecticut
- Pregnull, Alexander Marshall
Alexandria, Virginia
- Prezzia, Charles Paul
Wellsville, Ohio
- Pritchard, Gary William
Stoneham, Massachusetts
- Propp, Kenneth Ray
Stamford, Connecticut
- Pulver, Michael Joseph
Cazenovia, New York
- Pylypetz, William Thomas
South Hadley, Massachusetts
- Rashish, Peter Seth
Washington, D.C.
- Rawlings, Marsden Keith
Baltimore, Maryland
- Rawls, Russell Keith
Los Angeles, California
- Rawn, James Donald
Cos Cob, Connecticut
- Rex, Sterling Lee Julian, Jr.
Philadelphia, Pennsylvania
- Ripley, David Glen
Barre, Vermont
- Ritchie, Daniel Edgar
Louisville, Kentucky
- Roberts, David Henry, III
Remsen, New York
- Robinson, Mark Stephen
Jamaica, New York
- Rokicki, Theodore Robert, III
Wayland, Massachusetts
- Rolnick, Jonathan David
Forest Hills, New York
- Romano, Umberto Roberto, Jr.
New York, New York
- Rose, Arthur Robert
Indianapolis, Indiana
- Rose, Marc Carlton
Youngstown, Ohio
- Rosenbaum, Michael
New York, New York
- Rosenthal, Stephen Rene
New Orleans, Louisiana
- Rubin, David Ira
Great Neck, New York
- Sabel, Andrew Charles
Pittsburgh, Pennsylvania
- Sailor, John Karl
East Patchogue, New York
- Saletan, Ira Adlai
La Porte, Texas
- Sanchez, Alfredo
San Jose, California
- Sanders, Frederick Duncan
Marblehead, Massachusetts
- Sandom, J. Gregory
New Canaan, Connecticut
- Sauerhoff, David Coulter
New Canaan, Connecticut
- Schiff, Thomas Eric
Los Angeles, California
- Schneider, Mark Alan
Tucson, Arizona
- Scott, Steven James
Detroit, Michigan
- Seelye, Talcott Williams, Jr.
Tunis, Tunisia
- Seidman, Karl Fredrick
Little Neck, New York
- Selby, David Winning
Wynnewood, Pennsylvania
- Shapiro, Mark Joshua
Wilmington, Vermont
- Sherif, Negib Tewfik
Addis Ababa, Shoa, Ethiopia
- Shields, Patrick Michael Francis
Buffalo, New York
- Silva, Jay John
Scituate, Massachusetts
- Silva, William Allen
Lexington, Massachusetts

FRESHMEN

- Smith, Randall Alan
Washington, D.C.
- Snow, Matthew Eric
Miami, Florida
- Solloway, James Richard Joseph, Jr.
Flushing, New York
- Solomon, Keith David
Waltham, Massachusetts
- Southam, Arthur Milton
Demarest, New Jersey
- Spector, Paul Joseph
Tenafly, New Jersey
- Sprague, John Louis, Jr.
Holden, Massachusetts
- Stanback, William Ernest
Larchmont, New York
- Stanton, Timothy Richard
Hamden, Connecticut
- Statman, Eric David
Woodbury, New York
- Statt, Paul Stewart
New Boston, New Hampshire
- Steele, Craig Edward
Denver, Colorado
- Steinberg, Lewis Robert
Wyckoff, New Jersey
- Steinmayer, Otto Christoph, III
Bristol, Connecticut
- Stevens, Tony
New York, New York
- Story, Kenneth Byrd
Grantham, New Hampshire
- Sullivan, Thomas Patrick
Basking Ridge, New Jersey
- Swiacki, William Adam, Jr.
Sturbridge, Massachusetts
- Swiercz, Stanley Joseph Michael, Jr.
Easthampton, Massachusetts
- Taylor, Demetrius Darnell
Northglenn, Colorado
- Thornton, Philip Reid, Jr.
Cleveland, Ohio
- Toubman, Steven Michael
West Hartford, Connecticut
- Towner, Bruce MacMartin
Montclair, New Jersey
- Tsiaras, Alexander George
Nashua, New Hampshire
- Tsuyuki, Gary Masao
Los Angeles, California
- Turner, Scott Christopher
Paris, France
- Vaden, Christopher Scott
Merion Station, Pennsylvania
- Vaughn, Alphonso Keith
Oakland, California
- Wade, Kelvin Corry
Dorchester, Massachusetts
- Wallace, William Perry
Nashville, Tennessee
- Ward, Matthews Earl
Bethel Park, Pennsylvania
- Warnick, Ronald Eugene
Seattle, Washington
- Warrens, Wade Patterson
Chico, California
- Weinstein, Louis Harry
Brookline, Massachusetts
- Welch, Gregory Holt
Theodore, Alabama
- Werner, Blaine Patrick Andrew
Portland, Oregon
- Whetzel, Thomas Porter
Pittsburgh, Pennsylvania
- Whitman, David deFreudiger
Philadelphia, Pennsylvania
- Wijeyesekera, Sunil David
Colombo, Sri Lanka
- Williams, Claude Randolph, Jr.
Dallas, Texas
- Williams, John David, Jr.
Orange, New Jersey
- Williams, Michael Lloyd
Morris Plains, New Jersey
- Williams, Rinzy Timothy
Buffalo, New York
- Williamson, Mark Ward
Baldwin, New York

AMHERST COLLEGE

Windfeld-Hansen, Mark
Furlong, Pennsylvania

Wise, Edward Everett, III
Bearsville, New York

Witten, Matthew
Cincinnati, Ohio

Wolansky, Paul Steven
Cranford, New Jersey

Wray, David Bontecou, Jr.
Chestnut Hill, Massachusetts

Wynne, Andrew Jerome
Whitefish Bay, Wisconsin

Yee, Arthur
Greenwich, Connecticut

Yerrall, George Randall, IV
Longmeadow, Massachusetts

Young, Dennis Michael
St. Louis, Missouri

Zeitler, Philip Scott
Malden, Massachusetts

EXCHANGE STUDENTS IN RESIDENCE AT AMHERST

MEMBERS OF TWELVE-COLLEGE INTERCHANGE PROGRAM

<i>Name</i>	<i>Class</i>	<i>College</i>
Allen, F. Ashley Tulsa, Oklahoma	1976	Mount Holyoke College
Beeber, Allyson Powers Cliffside Park, New Jersey	1976	Wellesley College
Bentley, Bettina Taft Elizabeth, New Jersey	1976	Wellesley College
Cilderman, Anita Cynthia Teaneck, New Jersey	1976	Mount Holyoke College
Faulkner, Sheila Mary Bloomfield, Connecticut	1976	Trinity College
Felson, Caroline Suzanne Greenwich, Connecticut	1976	Mount Holyoke College
Frisina, Louis Rocco Braintree, Massachusetts	1977	Dartmouth College
Heffernon, Sheila Louise MarieAnne Weston, Massachusetts	1976	Smith College
Kemp, Carol Ann Texarkana, Arkansas	1976	Vassar College
Kremen, Ruth Sharon Northridge, California	1976	Wellesley College
Little, Thomas Arthur Burlington, Vermont	1976	Bowdoin College
Lyman, Gwen Gardner Bernardsville, New Jersey	1976	Wellesley College
Mantel, Wendy Luise Indianapolis, Indiana	1976	Vassar College
McRae, Annie Belle Sackett Manassas, Virginia	1977	Wellesley College

EXCHANGE STUDENTS

<i>Name</i>	<i>Class</i>	<i>College</i>
Moore, Helen Randolph Washington, D.C.	1976	Smith College
Pesanelli, Valerie Ann Woodbridge, Connecticut	1976	Mount Holyoke College
Schatzkin, Dorothy Rose Maplewood, New Jersey	1976	Connecticut College
Shainman, Joan Williamstown, Massachusetts	1976	Williams College
Smith, Tarin Lee Plandome, New Jersey	1976	Wellesley College
Stockhausen, Patricia Anne Marie Port Washington, New York	1976	Smith College
Sugar, Susan Gail Pikesville, Maryland	1976	Connecticut College
Tornow, Sarah Elizabeth Hart New Canaan, Connecticut	1975	Mount Holyoke College
Ulman, Cynthia Mae Chestnut Hill, Massachusetts	1975	Wesleyan College
Wong, Cynthia Ming-Ling Seneca Falls, New York	1975	Smith College
Yerby, Janice Elaine Alexandria, Virginia	1976	Smith College

OTHER EXCHANGE PROGRAMS

Avery, David E. W. Ramsgate, Kent, England	University of Warwick
Carr, Stephen Paul Stockport, England	University of Warwick
Mansfield, Paul John Mathew Hornchurch, Essex, England	University of Warwick
Pridham, John K. Salisbury, Wiltshire, England	University of Warwick

SPECIAL STUDENTS

Barnard, Charles E. Amherst, Massachusetts	Goldstein, Willi Hagen, West Germany
Beveridge, Venetta Rose Anne Trenton, New Jersey	Gordon, Peter A. Amherst, Massachusetts
Bridgman, James Campbell South Dartmouth, Massachusetts	Halpern, Kay Lasta Amherst, Massachusetts
Chien, Mark L. Amherst, Massachusetts	Harris, Thomas Norman Amherst, Massachusetts
Curley, Thomas Francis, Jr. New York, New York	Hollister, John Baker, III Gates Mills, Ohio
Deflaux, Veronique Aix-en-Provence, France	Houn, Fred Wei-han Amherst, Massachusetts
Doyle, Brian Patrick Amherst, Massachusetts	Ishman, Reginald Eugene Hightstown, New Jersey

AMHERST COLLEGE

Lyon, Matthew McTee
North Amherst, Massachusetts

Marcotte, David Alfred
Amherst, Massachusetts

Mathy, Jean Philippe
Paris, France

McGarrah, Douglas Moore
Amherst, Massachusetts

Morillon, Jean-Louis
St. Aignan sur Roe, France

Oakes, Loren H.
Amherst, Massachusetts

Owens, Esther Ruth
Amherst, Massachusetts

Paul, Howard Randall
Amherst, Massachusetts

Rudman, Rachel Beth
Amherst, Massachusetts

AMHERST STUDENTS ON LEAVES OF ABSENCE

EDUCATIONAL LEAVES

<i>Name</i>	<i>Class</i>	<i>College</i>
Abrams, Steven Robert Philadelphia, Pennsylvania	1976	University of Dijon, France
Allison, Barnaby Adam Los Angeles, California	1976	University of California, Berkeley
Ball, Michael John Newtonville, Massachusetts	1976	University of Massachusetts, Boston
Cartin, Javier Francisco San Jose, Costa Rica	1976	University of Costa Rica
Culton, Leroy Charleston, South Carolina	1976	Sweet Briar College Junior Year in France
Goodman, Jordan Elliot Cranston, Rhode Island	1976	London School of Economics
Gutierrez, Eduardo Coral Gables, Florida	1976	Sweet Briar College Junior Year in France
Hoberman, Harry Mark New City, New York	1977	Brown University
Horner, Richard Linscott Columbia, Missouri	1975	Federal University of Brazil
Merlin, William Loring, Jr. Minneapolis, Minnesota	1976	University of Minnesota
Michel, Robert Charles Westerville, Ohio	1976	Sweet Briar College Junior Year in France
Milch, David Mark Lawrence, New York	1976	Stanford University
Mooty, Bruce Wilson Edina, Minnesota	1977	University of Minnesota
Mullins, Michael Chase Durham, New Hampshire	1976	Sweet Briar College Junior Year in France
Nash, Lawrence David Arlington, Virginia	1976	Universidad de Mexico
Parker, William Leonard Buffalo, New York	1977	Morehouse College

STUDENTS ON LEAVES

<i>Name</i>	<i>Class</i>	<i>College</i>
Phillips, Howard Harwood Memphis, Tennessee	1977	Southwestern at Memphis
Pollock, Terry Alan Tucson, Arizona	1977	Stanford University
Quinn, Daniel Thomas Baltimore, Maryland	1976	Germany
Rosenson, Malcolm David New Orleans, Louisiana	1977	Tulane University
Schwartz, Eric Pound Ridge, New York	1976	University of Massachusetts, Amherst
Spratt, Adrian Darien, Connecticut	1976	Sheffield University, England
Steinfeld, Andrew Walter Tenafly, New Jersey	1976	Leningrad University, USSR
Suazo, John Richard Albuquerque, New Mexico	1977	University of Northern Colorado
Todd, Hector Lincoln, Jr. Buffalo, New York	1976	Atlantic Union College
Trope, Konrad Lytell Los Angeles, California	1977	University of California, Berkeley
Tykulsker, David Abe Roslyn Heights, New York	1976	London School of Economics
Ulano, Michael Scott Holyoke, Massachusetts	1976	Yeshiva University, Israel
Ulmer, John Wiley Ames, Iowa	1976	London School of Economics
Vogt, Henry Theodore Brattleboro, Vermont	1976	Alma College Junior Year Abroad
von Toerne, Curt Theodore Mountain Lakes, New Jersey	1976	University of Munich
Wieck, Randolph Raymond Louisville, Kentucky	1976	University of Munich
Wulc, Allan Edward Rydal, Pennsylvania	1976	Sweet Briar College Junior Year in France

UNIVERSITY OF WARWICK EXCHANGE PROGRAM

Htoo, Mark Sterling Han New York, New York	1976
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TWELVE-COLLEGE INTERCHANGE PROGRAM

Bailey, Philip Thatcher Seattle, Washington	1976	Wellesley College
Bollens, Bruce Paul Baltimore, Maryland	1976	Smith College
de Castro, Jeffrey Peter Norwalk, Connecticut	1976	Smith College

AMHERST COLLEGE

<i>Name</i>	<i>Class</i>	<i>College</i>
Gibralter, Robert Steven Westbury, New York	1975	Wellesley College
Howard, Robert Augustus, Jr. Detroit, Michigan	1976	Smith College
Longfield, Bradley James Basking Ridge, New Jersey	1977	Wesleyan University

FIELD STUDY PROGRAMS

<i>Name</i>	<i>Class</i>	<i>Name</i>	<i>Class</i>
Bartels, Stephen James Weston, Massachusetts	1975	Steere, Daniel Edwards Wickford, Rhode Island	1977
Kolisch, Edward Pierre Portland, Oregon	1975	Wang, Christopher Mark Loudonville, New York	1975
Pontusson, Jonas Gunnar Thornhill, Ontario, Canada	1977	Warren, Godfrey Baldwin Providence, Rhode Island	1975

SUMMARY OF ENROLLMENT *

Seniors, Class of 1975	320	Exchange Students	
Juniors, Class of 1976	309	Full Time	29
Sophomores, Class of 1977	340	Part Time	<u>0</u>
Freshmen, Class of 1978	<u>308</u>	Sub Total	1,306
Sub Total	1,277	Graduate Students	0
		Special Students	
		Full Time	1
		Part Time	<u>22</u>
		Total	1,329

*Not included are the 46 Amherst students who are on leaves of absence away from Amherst as of the first semester, 1974-75.

ENROLLMENT

CLASSIFICATION BY RESIDENCE

New York	250	North Carolina	5
Massachusetts	227	Oregon	5
Connecticut	138	Japan	4
New Jersey	84	Arkansas	3
Pennsylvania	75	Oklahoma	3
Ohio	55	South Carolina	3
Illinois	53	Belgium	2
California	44	Brazil	2
Maryland	43	Delaware	2
Virginia	25	Iowa	2
Michigan	23	APO	2
New Hampshire	22	Austria	1
Missouri	20	Ethiopia	1
Texas	19	Fiji Islands	1
Minnesota	17	Hawaii	1
District of Columbia	15	Hong Kong	1
Vermont	14	India	1
Rhode Island	13	Kansas	1
Florida	11	Mississippi	1
Georgia	11	Montana	1
Louisiana	11	Netherlands	1
Maine	11	North Dakota	1
Washington	11	Philippines	1
Arizona	10	Poland	1
Tennessee	10	Puerto Rico	1
Wisconsin	9	South Vietnam	1
Alabama	7	Spain	1
Indiana	7	Sri Lanka	1
Canada	6	Taiwan	1
Colorado	6	Tunisia	1
France	6	West Africa	1
England	5	West Germany	1
Greece	5	West Virginia	1
Kentucky	5	Wyoming	1
New Mexico	5	Grand Total	1,329

VI

THE SOCIETY OF THE ALUMNI

THE ALUMNI COUNCIL

THE ALUMNI ASSOCIATIONS

Amherst Music Building



The Society of the Alumni

OFFICERS

Honorary President: F. Curtis Canfield '25

President: Ralph Z. Sorenson II '55

Vice Presidents: James C. Corral '40; Joseph D. Messler '35; John D. Owens '45; Warren Webster '25; William Zimmerman '30

Secretary-Treasurer: Frederic J. Gardner '49

COMMITTEES

Nominating Committee: William F. Cordner '40; John E. Kehoe '70; Charles F. Merrill '55; George D. Savidge '65; Robert K. Tisdall '50

Inspectors of Election: Earl W. Merrill '27; William H. Ross '29; H. Hills Skillings '38.

Committee to Nominate Alumni Trustees: Paul R. Farrell '70; Gilbert P. Heathcote '45; Robert O. Lehrman '55; Harold W. Oliver III '65; Thomas R. Shepard, Jr. '40.

The Annual Meeting of The Society of the Alumni is held on Commencement Weekend.

The Alumni Council

OFFICERS

Chairman: Ralph Z. Sorenson II '55

Secretary: Frederick J. Gardner '49

EXECUTIVE COMMITTEE

C. Michael Spero '58 (Chairman); Robert E. Bingham '40, Robert S. Bowditch '30, William W. Daniel, Jr. '65, W. Richard Park '49, Edward E. Phillips, III '52, Robert E. Pruyne '56, and James C. Taylor '39.

REPRESENTATIVES OF CLASSES

1900	Osmond J. Billings	1931	Kingsley F. Norris
1903	Albert W. Atwood	1932	William H. Raye, Jr.
1904	Ernest M. Whitcomb	1933	Bertram H. Bloch
1906	William E. D. Ward	1934	Sanford Keedy
1908	Robert H. Kennedy	1935	Irvin G. Thursby
1909	William H. Wright	1936	Philip H. Clarke
1910	John Porter	1937	James M. Selby
1911	Beeckman J. Delatour	1938	Bennett Meyers
1912	Maurice J. Levy	1939	Robert J. Kelly
1913	Edward S. Morse	1940	Robert A. Potter
1914	Clarence D. Rugg	1941	Robert G. Ingraham, Jr.
1915	George K. Ripley	1942	Edward J. Kneeland
1916	G. Homer Lane	1943	Robert A. Eaton
1917	Donald E. Temple	1944	Robert K. O'Connor
1918	Edward W. Morehouse	1945	Samuel F. Trull
1919	Herman M. Wessel	1946	S. Thomas Martinelli
1922	Edward S. O'Donnell	1947	Charles E. Goodhue, III
1923	Kurt L. Daniels	1948	Richard D. Tietjen
1924	Cyril K. Collins	1949	Richard C. Simon
1925	Merton L. Griswold, Jr.	1950	Robert K. Tisdall
1926	Samuel M. Cameron	1951	Willard T. Weeks
1927	Loomis Patrick	1952	Gordon Hall, III
1928	Stuart Pike	1953	Charles M. Strait
1929	Geoffrey G. Felt	1954	James E. Weldon
1930	Richard W. Loud	1955	William B. Duffy, Jr.

THE ALUMNI COUNCIL

1956	Douglas B. Rhodes	1963	Mark E. Meyerson
1957	Howard T. Bellin	1964	Peter D. Kleinman
1958	C. Michael Spero	1965	William R. Buechner
1959	Richard A. Cook	1966	Charles K. Wray
1960	John F. Swope	1967	Irvin D. Gordon
1961	Alexander S. Twombly, III	1968	Claude A. Pickens
1962	Alfred M. Sadler, Jr.	1969	C. Alexander Gordon

REPRESENTATIVES OF ALUMNI ASSOCIATIONS

<i>Arizona (Phoenix)</i> Eric H. Marks '17	<i>Maine</i> Richard S. Wolfe '52
<i>Arizona (Tucson)</i> Linn M. Hazen '33	<i>Massachusetts (Central)</i> James M. Karet '58
<i>Baltimore</i> Stephen T. Ellen '37	<i>Michigan</i> Richard J. Langs '55
<i>Boston</i> Lucian J. Colucci '37 Guilbert Q. Wales '35	<i>Minnesota</i> Robert W. Boden '53
<i>California (Northern)</i> David Winslow '38	<i>New Hampshire</i> Harold C. F. Hammerstrom '28
<i>California (Southern)</i> William L. Plunkett '51 Franklin Stockbridge '42	<i>New York (City)</i> William E. Whitney, Jr. '54
<i>Cape Cod</i> Lloyd W. Miller '19	<i>New York (Central)</i> Robert B. Simonton '54
<i>Chicago</i> Robert B. Jarchow '44 Ernest Palmer, Jr. '36	<i>New York (Northeastern)</i> V. Earl Nicklas '39
<i>Connecticut</i> J. Herbert Arnold, Jr. '43	<i>New York (Western)</i> W. Barry Mallon '44
<i>Florida (Gulf Coast)</i> James J. Corral '40	<i>Ohio (Central)</i> John W. Edwards '59
<i>Florida (South)</i> Thatcher W. Rea, Jr. '50	<i>Ohio (Northern)</i> Robert G. McCreary, Jr. '40
<i>Georgia</i> Lee N. Lindeman '59	<i>Ohio (Valley)</i> Stuart J. Swensson, Jr. '46
<i>Hawaii</i> Stuart G. Brown '34	<i>Pennsylvania (Western)</i> Lowell W. Monroe '52
<i>Indiana</i> Gerry C. LaFollette '55	<i>Philadelphia</i> Herbert H. Middleton, Jr. '50 Franklin A. Wurman '53
	<i>Pioneer Valley</i> Daniel Leavitt '45
	<i>Rhode Island</i> C. George Taylor '39

AMHERST COLLEGE

Rochester

Charles P. Northrup '63

James A. Reed, Jr. '52

Rocky Mountain

Frederick K. Conover II '55

St. Louis

Rodney Harris, Jr. '40

William H. Webster '45

Texas (Dallas)

Frederick M. Smith II '56

James A. Leidich '64

Texas (Houston)

William C. Liedtke, Jr. '45

The Columbia

Edgar A. Taylor, Jr. '30

Washington, D.C.

William C. Hart '44

A. Lyman Warner, Jr. '58

Washington (State)

George C. Buck '42

Wisconsin

Worden L. McCallum '47

FOREIGN

France

Archie L. Taylor, Jr. '49

Great Britain

Donald E. Hardy '16

Japan

Toshihiko Yamaguchi '26

Korea

Pyong Re Min '60

MEMBERS AT LARGE

Robert E. Bingham '40

Gorham L. Cross, Jr. '52

William W. Daniel, Jr. '65

David P. Eastburn '42

Herbert H. Middleton, Jr. '50

W. Richard Park '49

Edward E. Phillips, III '52

Robert E. Pruyn '56

Joseph F. Quinn, Jr. '69

C. Michael Spero '58

James C. Taylor '39

William McC. Vickery '57

The Alumni Associations

1974-1975

EASTERN & SOUTHERN ASSOCIATIONS

The Association of Boston. *President:* Samuel B. Spencer '65, 807 Summer Street, Marshfield, Massachusetts 02050. *Secretary:* Robert E. Pruyne '56, 19 Priscilla Road, Wellesley Hills, Massachusetts 02181.

The Association of Cape Cod. *President:* Robert O. Anthony '26, 56 Bacon Lane, Centerville, Massachusetts 02632. *Secretary:* Lloyd W. Miller '19, 1300 Craigville Beach Road, Centerville, Massachusetts 02632.

The Association of Central Massachusetts. *President:* Michael Abodeely '58, 9 Dubiel Drive, Worcester, Massachusetts 01609. *Secretary:* Robert A. Armstrong '58, 15 Monadnock Road, Worcester, Massachusetts 01609.

The Pioneer Valley Association. *President:* Thomas J. O'Connor, Jr. '47, 22 Oldwood Drive, Wilbraham, Massachusetts 01095. *Secretary:* Jonathan P. Rice '30, Pleasantview Avenue, Longmeadow, Massachusetts 01106.

The Association of Connecticut. *President:* Gerald A. Roisman '59, 31 Grand Street, Hartford, Connecticut 06106. *Secretary:* Gary R. Gold '67, 27 Dorchester Road, Wethersfield, Connecticut 06109.

The Association of Maine. *President:* William F. Julavits '64, University of Maine, 246 Deering Avenue, Portland, Maine 04102. *Secretary:* David F. Whorf '50, 381 Falmouth Road, Falmouth, Maine 04105.

The Association of New Hampshire. *President:* David G. Underwood, II, M.D. '54, 29 Rumford Street, Concord, New Hampshire 03301. *Secretary:* John F. Swope '60, United Life & Accident Insurance Company, 2 White, Concord, New Hampshire 03301.

The Association of Rhode Island. *President:* Gordon Holmes '27, 61 Barnes Street, Providence, Rhode Island 02906. *Secretary:* James E. Crowley '60, Wagner Road, Westerly, Rhode Island 02891.

The Association of New York. *President:* Emery W. Harper '58, 156 East 79th Street, New York, New York 10021. *Secretary:* Frederick D. Hill '67, 40 East 83rd Street, New York, New York 10028.

The Association of Northeastern New York. *President:* Robert M. Blumenberg, M.D. '55, 2259 Algonquin Road, Schenectady, New York 12309. *Secretary:* Richard W. Rubenstein '66, 60 State Street, Albany, New York 12207.

AMHERST COLLEGE

The Association of Central New York. *President:* Arnold Poltenson '56, 4882 Briarwood Lane, Manlius, New York 13104. *Secretary:* Philip R. Chase '58, 4 Edgewood Parkway, Fayetteville, New York 13066.

The Association of Western New York. *President:* Richard L. Gernold '60, 6635 East Quaker, Orchard Park, New York 14127. *Secretary:* James W. Greene, II '61, 1131 Rand Building, Buffalo, New York 14203.

The Association of Rochester. *President:* David N. Tufts '40, Suite 1527, 1 Marine Midland Plaza, Rochester, New York 14604. *Secretary:* Hervey C. Merrill '41, 15 East View Terrace, Pittsford, New York 14534.

The Association of Philadelphia. *President:* G. Parke Rouse, III '67, Box 146, Gladwyne, Pennsylvania 19035. *Secretary:*

The Association of Western Pennsylvania. *President:* George O. Baker '33, 4901 Frich Drive, Pittsburgh, Pennsylvania 15227. *Secretary:* Robert L. Munroe '53, 613 Berkshire Drive, Pittsburgh, Pennsylvania 15215.

The Association of Washington, D.C. *President:* David N. Laux, Jr. '50, 6919 Woodside Place, Chevy Chase, Maryland 20015. *Secretary:* Hereward S. Cattell '54, 8008 Greentree Road, Bethesda, Maryland 20034.

The Association of Baltimore. *President:* David G. F. Mock '47, 1121 Bellemore Road, Baltimore, Maryland 21210. *Secretary:* Carroll R. Hebbel '64, 8109 Clyde Bank Road, Baltimore, Maryland 21234.

The Association of Georgia. *President:* Robert R. Eckardt '55, 210 Mt. Paran Road, N.W., Atlanta, Georgia 30327. *Secretary:* Lee N. Lindeman '59, 374 Lake Forrest Lane, N.E., Atlanta, Georgia 30305.

The Association of South Florida. *President:* Thatcher W. Rea, Jr. '50, 6040 Southwest 104th Street, Miami, Florida 33156. *Secretary:* Joseph G. Beckford '59, 15910 Southwest 105th Avenue, Miami, Florida 33156.

The Gulf Coast Alumni Association. *President:* George W. Phillips '52, 3300 Henderson Boulevard, Tampa, Florida 33609. *Secretary:* Jay H. Tiffin '50, 456 Gardenia Street, Belleair, Clearwater, Florida 33516.

CENTRAL & FAR WESTERN ASSOCIATIONS

The Association of Northern Ohio. *President:* Albert B. Glickman '59, 3093 Ashford Road, Shaker Heights, Ohio 44120. *Secretary:* Mark R. Levine '61, 2127 Glouchester, Cleveland, Ohio 44124.

The Association of Central Ohio. *President:* William L. Millard '53, 150 East Broad Street, Columbus, Ohio 43215. *Secretary:* John W. Edwards '59, 6417 Linworth Road, Worthington, Ohio 43085.

THE ALUMNI ASSOCIATIONS

The Association of the Ohio Valley. *President:* Stuart J. Swensson '46, 823 Princeton Drive, Terrace Park, Ohio 45174. *Secretary:* Terrence D. Garrigan '50, 1016 Markley Road, Cincinnati, Ohio 45230.

The Association of Indiana. *President:* Gerry C. LaFollette '55, 7016 Warwick Road, Indianapolis, Indiana 46220. *Secretary:* George M. Waller '41, 1701 West 51st Street, Indianapolis, Indiana 46208.

The Association of Michigan. *President:* Donald A. Walker, Jr. '65, 794 University Place, Grosse Pointe, Michigan 48230.

The Amherst Club of Chicago. *President:* Benjamin K. Aurand '63, A. G. Becker & Company, 1 First National Plaza, Chicago, Illinois 60670. *Secretary:* Harvey M. Sheldon '64, 1 North Wacker Drive, Chicago, Illinois 60606.

The Association of Wisconsin. *President:* John A. Stephens '56, 6401 North Santa Monica Boulevard, Milwaukee, Wisconsin 53217. *Secretary:* Verne R. Read, Jr. '44, 407 East Wisconsin Avenue, Milwaukee, Wisconsin 53202.

The Association of St. Louis. *President:* G. Lynn Krause, Jr., M.D., '50, 9740 Litzinger Road, St. Louis, Missouri 63124. *Secretary:* Charles E. H. Luedde '66, 500 North Broadway Street, St. Louis, Missouri 63102.

The Association of Minnesota. *President:* Lynn G. Truesdell, III, '58, 9 Woodland Road, Minneapolis, Minnesota 55424. *Secretary:* John M. Bean '69, 6905 Gleason Road, Edina, Minnesota 55435.

The Association of Dallas. *President:* Frederick M. Smith, II '56, 9950 Strait Lane, Dallas, Texas 75220. *Secretary:* John R. Guittard '66, 6306 Desco Drive, Dallas, Texas 75225.

The Association of Houston. *President:* William C. Liedtke '45, 900 Southwest Tower, Houston, Texas 77002. *Secretary:* Howard Barnstone '44, 1303 Vassar, Apartment 5, Houston, Texas 77006.

The Rocky Mountain Association. *President:* Dr. Lester L. Garrison '61, 1600 South Forest Street, Denver, Colorado 80222. *Secretary:* James P. Giddings '69, Route 2, Box 496-A, Evergreen, Colorado 80439.

The Association of Phoenix. *President:* William C. Haus '50, Drawer R, Bayless Plaza, Apache Junction, Arizona 85220. *Secretary:* Richard M. Hirsch '57, 7239 North 9th Avenue, Phoenix, Arizona 85021.

The Association of Tucson. *President:* Linn M. Hazen '33, 1345 Maguire Avenue N., Tucson, Arizona 85715. *Secretary:* William H. Creamer '36, P.O. Box 50264, Tucson, Arizona 85703.

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